## **SERVICE MANUAL**

# RA-6A CHASSIS

| <u>MODEL NAME</u> | REMOTE COMMANDER | <u>DESTINATION</u> | CHASSIS NO. |
|-------------------|------------------|--------------------|-------------|
| KP-51WS510        | RM-Y909          | US/CND/LATIN NORTH | SCC-M10CA   |
| KP-57WS510        | RM-Y909          | US/CND/LATIN NORTH | SCC-M10BA   |
| KP-65WS510        | RM-Y909          | US/CND/LATIN NORTH | SCC-M10AA   |

## ORIGINAL MANUAL ISSUE DATE: 6/2003

|--|

:UPDATED ITEM

| REVISION DATE | SUBJECT  |
|---------------|--|
| 6/2003        | No revisions or updates are applicable at this time.   |
| 6/30/2003     | Updated G (Pg. 58) and D (Pg. 77) Schematics,  |
|               | Added critical symbol to G Board on Exploded View section 6-3. Chassis (Pg. 91)                        |
|               | Updated critical components on Parts Lists (Pgs. 93-136)   |
| 8/25/2003     | Replaced TV Graphic on Front Cover   |
|               | Updated Table of Contents (Replace Pg. 3 with Pg. 3)   |
|               | Corrected Diagrams for H2, H1, and H4 Board Removal (Replace Pg. 11 with Pg. 11)                       |
|               | Replaced 2-11. Service Data Lists with 2-11. Adjustable Service Data Lists                             |
|               | (Replace Pg. 19-37 with Pgs. 19-30)  |
|               | Corrected procedures for 2-12. Registration Adjustment (Replace Pg. 38 with Pg. 31)                    |
|               | Corrected procedures for 2-13-2. Copying All Registration Data to Other Modes and                      |
|               | 2-14. Auto Registration Offsets (Replace Pg. 42 with Pg. 35)   |
|               | Corrected Error Codes 54 & 55, 2-15. Auto Registration Error Codes (Replace Pg. 43 with Pg. 36)        |
|               | Added 2-16. Auto Registration Diagnostics (Replace Pg. 44 with Pg. 37)                                 |
|               | Corrected 3-D-Comb # from 5-3. Block Diagram (Replace Pg. 51 with Pg. 44)                              |
|               | Deleted IC308 Block Diagram from 5-5. IC Block Diagrams (Replace Pg. 84 with Pg. 77)                   |
|               | Corrected semiconductors 5-6. Semiconductors (Replace Pg. 88 with Pg. 81)                              |
|               | Corrected Grille piece on cover exploded view diagrams (Replace Pgs. 89 & 90 with Pgs. 82 & 83)        |
| 9/22/2003     | New CRT's & D Board introduced for KP-57WS510/65WS510 models.  |
|               | Affects S/N's 9,000,001 to 9,700,000   |
|               | (Replace History Pg., Front Cover, Exploded View Pgs. 84-85, and Parts Lists Pgs. 122, 126, & 129      |
| 11/11/2003    | Replaced data relating to CR, CG and CB Boards.  |
|               | Affects Pages 47-49 (Schematics), 85 (Exploded View), 86-88 (Electrical Parts List)                    |
| 11/16/2004    | Removed Note from section 2-12-1. Setup For Adjustment. Note is intended for use by the factory during |
|               | production, and should not be performed by service technicians.(Replace Pg. 31 with Pg. 31)            |
|               | Updated Exploded View section to include new PNs based on serial range                                 |
|               | (Replace History Pg., Front Cover, Exploded View Pgs. 82-85, and Parts Lists Pg. 120)                  |
| 11/17/2003    | Corrected serial number range in Electrical Parts List (Replace Parts Lists Pgs. 122 and 126)          |
| 8/19/2005     | Updated serial number range for D Board and CRTs (Replace Pgs. 84, 85 and 122)                         |

## **COLOR REAR VIDEO PROJECTION**





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| KP-57WS510 | RM-Y909          | US/CND/LATIN NORTH | SCC-M10BA   |
| KP-65WS510 | RM-Y909          | US/CND/LATIN NORTH | SCC-M10AA   |





RM-Y909

**COLOR REAR VIDEO PROJECTION** 



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### **SPECIFICATIONS**

Power Requirements 120V AC, 60Hz

Power Consumption (W)

In Use (Max) 230W In Standby Under 1 W

Inputs/Outputs DVI-HDTV

1 terminal, 3.3V T.M.D.S., 50 ohms

The DVI-HDTV input terminal is compliant with the EIA-861 standard and is not intended for use with personal computers.

Video (IN)

4 total (1 on front panel)

1Vp-p, 75ohms unbalanced, sync negative

S Video (IN)

3 total (1 on front panel)

Y: 1Vp-p, 75ohms unbalanced, sync negative

C: 0.286Vp-p (Burst signal), 75ohms

Audio (IN)

6 total (1 on front panel) 500 mVrms (100% modulation) Impedance:47 kilo ohms Audio (VAR/RIX)

1 total

500 mVrms at the maximum volume setting (Variable)

500 mVrms (Fixed)

Impedance (Output):1 kilo ohm

TV Out

1 total

Video: 1 Vp-p 75 ohms unbalanced, Sync negative

Audio: 500 m Vrms (100% modulation) Impedance (output): 1 kilo ohms

Control S (IN/OUT)

1 total Minijacks

**Component Video Input** 

2 (Y, P<sub>B</sub>, P<sub>R</sub>)

Y: 1.0 Vp-p, 75 ohms unbalanced, sync negative

P<sub>B</sub>: 0.7 Vp-p, 75 ohms; P<sub>R</sub>: 0.7 Vp-p, 75 ohms

**RF Inputs** 

2 total

Converter

1 total

|                                    | KP-51WS510  | KP-57WS510   | KP-65WS510   |
|------------------------------------|---|--|--|
| Speaker Output (W)                 |   | 20W x 2  |  |
| Dimensions (W x H x D)<br>mm<br>in | 1194 x 1350 x 650 mm<br>47 x 53 <sup>1/8</sup> x 25 <sup>5/8</sup> in | 1326 x 1377 x 690 mm<br>52 <sup>1/4</sup> x 54 <sup>1/4</sup> x 27 <sup>1/4</sup> in | 1542 x 1466 x 750 mm<br>60 <sup>3/4</sup> x 57 <sup>3/4</sup> x 29 <sup>1/2</sup> in |
| Mass kg<br>Ibs                     | 78.2 kg<br>172 lbs  | 88.6 kg<br>195 lbs   | 136 kg<br>300 lbs  |

#### **Projection System**

3 picture tubes, 3 lenses, horizontal in-line system

**Picture Tube** 

7-inch high-brightness monochrome tubes (6.3 raster size), with optical coupling and liquid cooling system.

**Projection Lenses** 

High performance, large diameter hybrid lens F1.1

Antenna

75 ohm external terminal for VHF/UHF

**Television System** 

NTSC, American TV Standard

**Channel Coverage** 

VHF: 2-13/ UHF: 14-69/ CATV: 1-125

#### Screen Size (measured diagonally)

51 inches (KP-51WS510)

57 inches (KP-57WS510)

65 inches (KP-65WS510)

**Supplied Accessories** 

Remote Control RM-Y909 Batteries (2) size AA (R6)

**Optional Accessories** 

A/V Cable (VMC-810/820/830 HG)

Audio Cable (RKC-515HG)

Component Video Cable (VMC-10/30 HG)

Control S Cable (RK-G69HG)

AV Receiver (STR-V555ES or equivalent)

### **WARNINGS AND CAUTIONS**

#### CAUTION

Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield, or carbon painted on the CRT, after removing the anode.

#### WARNING!!

An isolation transformer should be used during any service to avoid possible shock hazard, because of live chassis. The chassis of this receiver is directly connected to the ac power line.



Components identified by shading and  $\triangle$  mark on the schematic diagrams, exploded views, and in the parts list are critical for safe operation. Replace these components with Sony parts whose part numbers appear as shown in this manual or in supplements published by Sony. Circuit adjustments that are critical for safe operation are identified in this manual. Follow these procedures whenever critical components are replaced or improper operation is suspected.

#### ATTENTION!!

Apres [

de l'appareil, ou la couche de carbone peinte sur le tube cathodique ou au blindage du tube cathodique.

Afin d'evite□

dépannage. Le chássis de ce récepteur est directement raccordé à l'alimentation du secteur.

## ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

Les composants identifies par une trame et par une marque  $ildе{ ildе{ ilde{1}}}$  sur les schemas de principe, les vues explosees et les listes de pieces sont d'une importance critique pour la securite du fonctionnement. Ne les remplacer que par des composants Sony dont le numero de piece est indique dans le present manuel ou dans des supplements publies par Sony. Les reglages de circuit dont l'importance est critique pour la securite du fonctionnement sont identifies dans le present manuel. Suivre ces procedures lors de chaque remplacement de composants critiques, ou lorsqu'un mauvais fonctionnement suspecte.

### **SAFETY CHECK-OUT**

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

- Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
- Check the interboard wiring to ensure that no wires are "pinched" or touching high-wattage resistors.
- Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
- Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
- Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
- Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
- Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
- Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

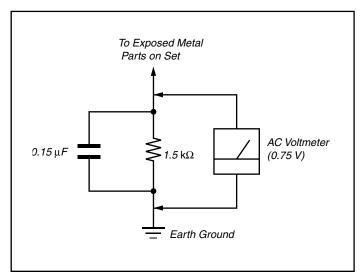


Figure A. Using an AC voltmeter to check AC leakage.

#### Leakage Test

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
- 2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63TRD are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).

#### How to Find a Good Earth Ground

A cold-water pipe is a guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms.

If a cold-water pipe is not accessible, connect a 60- to 100-watt troublelight (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

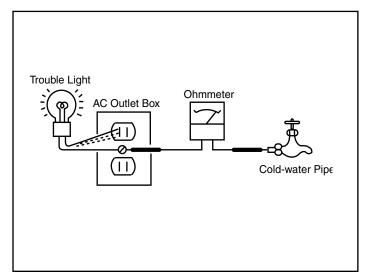


Figure B. Checking for earth ground.

## **SELF-DIAGNOSTIC FUNCTION**



The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER LED will automatically begin to flash. The number of times the LED flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER LED flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the Remote Commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

#### **Diagnostic Test Indicators**

When an error occurs, the STANDBY/TIMER LED will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the LED will identify the first of the problem areas.

Results for all of the following diagnostic items are displayed on screen. If the screen displays a "0", no error has occurred.

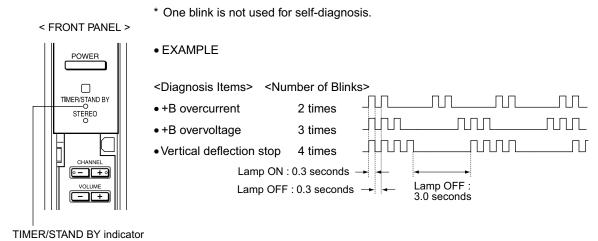
| Diagnostic Item                             | No. of times<br>STAND BY /<br>TIMER<br>lamp flashes | Probable Cause Location   | Detected Symptoms   |
|---|---|---|---|
| Power does not turn on                      | Does not light                                      | <ul><li>Power cord is not plugged in.</li><li>Fuse is burned out (F6001). (G Board)</li></ul>   | <ul><li>Power does not come on.</li><li>No power is supplied to the TV.</li><li>AC Power supply is faulty.</li></ul>  |
| +B overcurrent (OCP)*                       | 2 times   | H.OUT (Q8024) is shorted. (D Board)  HB PWM (Q8035, Q8038) is shorted. (D Board)  | Power does not come on.     Load on power line shorted.   |
| +B overvoltage (OVP)                        | 3 times   | IC501 is faulty. (G Board)     IC5002 is faulty. (G Board)  | Has entered standby mode.   |
| Vertical deflection stopped                 | 4 times   | ±15V is not supplied. (D Board)     IC8003 is faulty. (A Board)   | <ul> <li>Has entered standby state after horizontal raster.</li> <li>Vertical deflection pulse is stopped.</li> <li>Power line is shorted, or power supply is stopped.</li> </ul> |
| White Balance Failure<br>(Not Balanced)     | 5 times   | Video OUT (IC7101, IC7201, IC7301) is faulty. (CR, CG, CB Boards) CRT drive (IC309) is faulty. (A Board) Screen (G2) is improperly adjusted. ** | No raster is generated.     CRT Cathode current detection reference pulse output is small.  |
| Low B OCP/OVP (Overcurrent/Overvoltage) *** | 6 times   | <ul><li>+5 line is overloaded. (A, B Boards)</li><li>+5 line is shorted. (A, B Boards)</li></ul>  | No picture  |
| Horizontal deflection stopped               | 7 times   | <ul> <li>Q8035, Q8038 is shorted. (D Board)</li> </ul>  |   |
| High-voltage error                          | 8 times   | T8005 is faulty. (D Board)  |   |
| Audio error                                 | 9 times   | <ul> <li>± 19V line is shorted. (A, B Boards)</li> <li>IC708 is faulty. (A Board)</li> <li>PS701 or PS702 is opened.<br/>(A Board)</li> </ul>   | No sound  |

<sup>\*</sup> If a +B overcurrent is detected, stoppage of the vertical deflection is detected simultaneously. The symptom that is diagnosed first by the microcontroller is displayed on the screen.

\*\* Refer to Screen (G2) Adjustments in Section 2-2 of this manual

<sup>\*\*\*</sup> If TIMER or STAND BY indicator blinks six (6) times, unplug the unit and wait 10 minutes before performing the adjustment.

#### Display of Standby/Timer LED Flash Count



#### Release of TIMER STAND BY indicator blinking

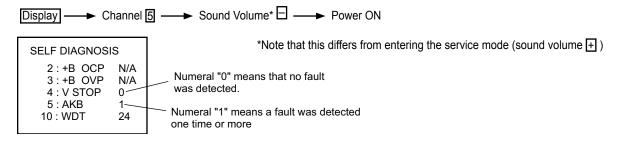
The TIMER/STANDBY indicator blinking display is released by turning OFF the power switch on the TV main unit or removing the plug from the power.

#### **Self-Diagnosis Screen Displays**

In cases of malfunctions where it is not possible to determine the symptom such as when the power goes off occasionally or when the screen disappears occasionally,  $\Box$  not) in order to allow confirmation.

#### **Screen Display Method**

Quickly press the remote command button in the following order from the standby state.



#### Self-Diagnosis Screen Display

The results display is not  $\square$  display to "0".

If the results display is not returned to "0" it will not be possible to judge a new malfunction after completing repairs.

#### Method of Clearing Results Display

1. Power off (Set to the standby mode.)

### Method of Ending Self Diagnosis Screen

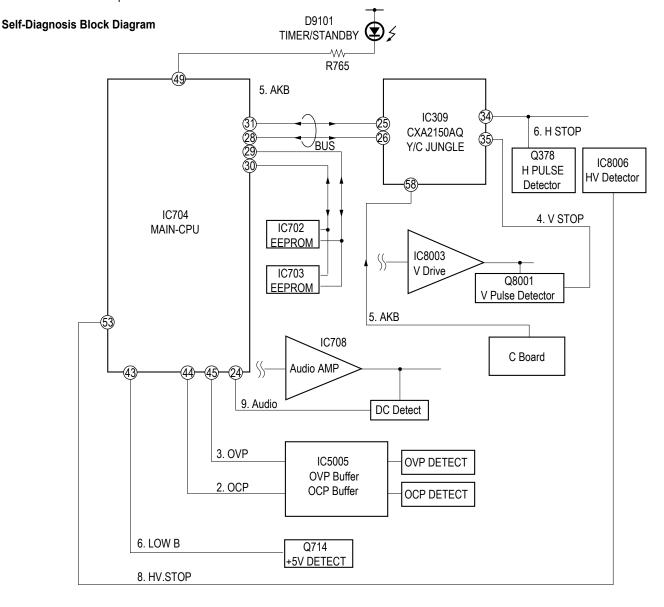
When ending the self-diagnosis screen completely, turn the power switch OFF on the remote commander or the main unit.

#### **Self-Diagnosis Function Operation**

- OCP Low B and +B line detect DET SHORT, and shut-down POWER ON RELAY.

  Reset by turning power on/off. In case of +B is loaded approx. 1.5A or more, microcomputer detects it via IC5005.
- OVP In case of +B becomes approx. 150V or more, POWER ON RELAY shuts down and microcomputer detects it via IC5005. Reset by turning power on/off just the same as OCP.
- Low B Occurs when set +5V is out
- V Stop In the case of the V Drive disappearing, Q8001 detects it and shuts-down the POWER ON RELAY. The microcomputer detects it and causes the LED to blink.
- AKB IK detection. Makes LED blink when microcomputer doesn't detect IK, returns of IC309 (CXA2150AQ) 20 seconds or more.
- H Stop In case H DRIVE disappears, Q378 detects it and shuts-down POWER ON RELAY.

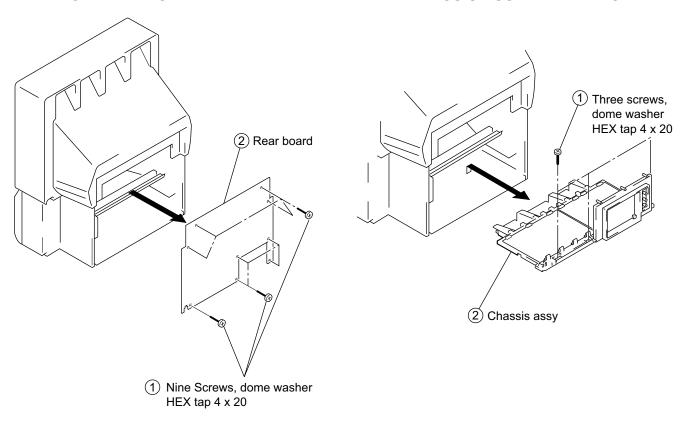
  Microcomputer receives H Stop data from Q378 and makes the LED blink.
- HV Stop In case HV becomes 33kV or more, IC8006 detects it and shuts-down POWER ON RELAY. The microcomputer makes the LED blink.
- Audio In case of DC component overlaps the output of Audio Amp., the microcomputer detects it and shuts-down POWER ON RELAY. The microcomputer makes the LED blink.

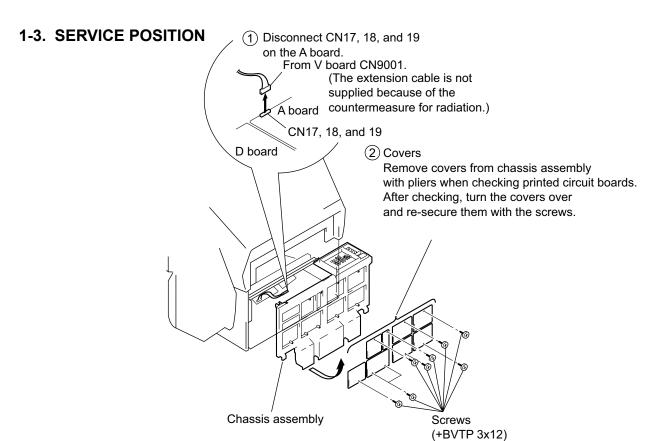


## **SECTION 1: DISASSEMBLY**

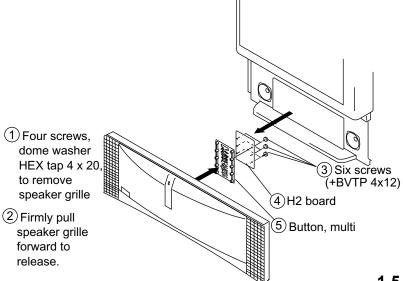
#### 1-1. REAR BOARD REMOVAL

#### 1-2. CHASSIS ASSEMBLY REMOVAL

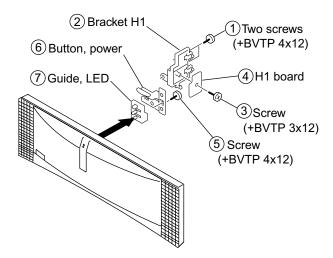




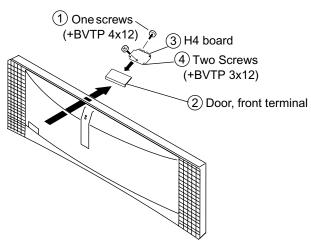
### 1-4. H2 BOARD REMOVAL



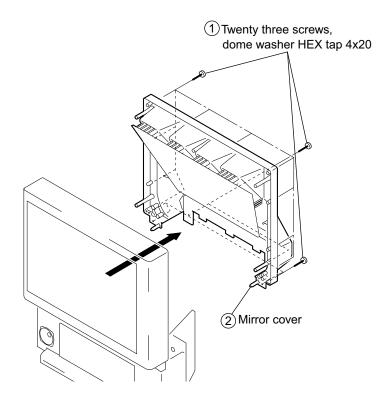
### 1-5. H1 BOARD REMOVAL



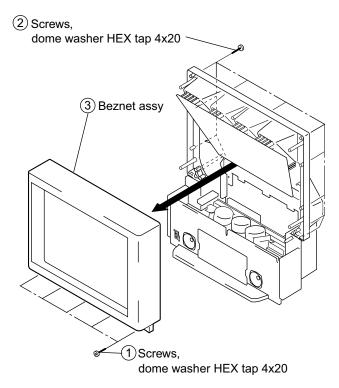
### 1-6. H4 BOARD REMOVAL



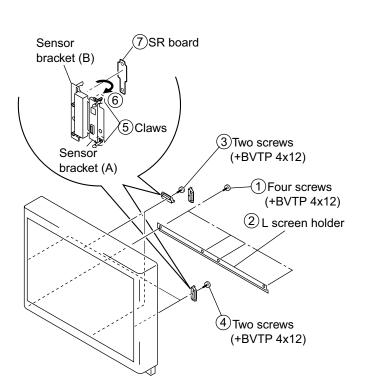
### 1-7. MIRROR COVER REMOVAL



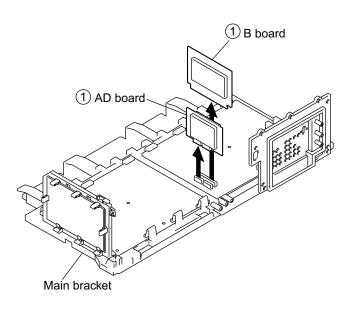
### 1-8. BEZNET ASSEMBLY REMOVAL



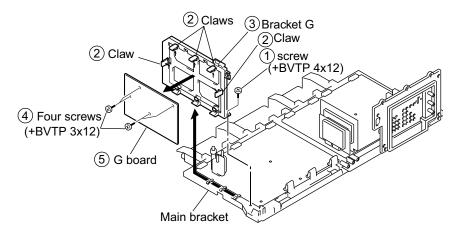
### 1-9. SR BOARD REMOVAL



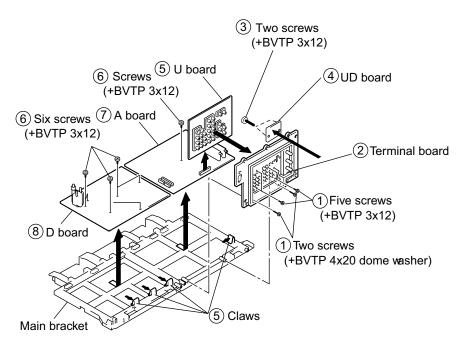
### 1-10.AD BOARD AND B BOARD REMOVAL



### 1-11.G BOARD REMOVAL



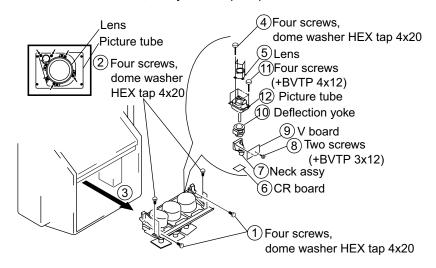
## 1-12.TERMINAL BOARD, A BOARD, D BOARD, U BOARD, AND UD BOARD REMOVAL



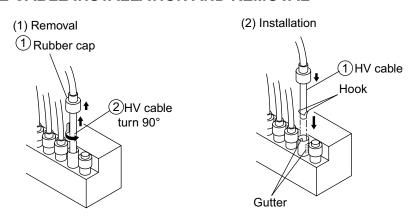
### 1-13.PICTURE TUBE REMOVAL

CAUTION Removing the arrow-marked screws is strictly prohibited.

If removed, it may cause liquid spill.



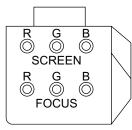
### 1-14.HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL



### **SECTION 2: SET-UP ADJUSTMENTS**

## 2-1. SCREEN VOLTAGE ADJUSTMENT (COARSE ADJUSTMENT)

- 1. Receive the Monoscope signal.
- 2. Set BRIGHTNESS to 50% and PICTURE to minimum.
- Turn the red VR on the focus block all the way to the left and then gradually turn it to the right until the retrace line is barely visible.
- 4. Gradually turn the control to the left until the retrace line disappears.

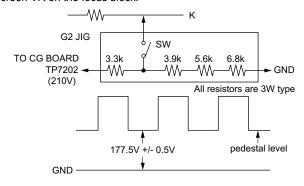


**FOCUS Block** 

## 2-2. SCREEN (G2) ADJUSTMENT (FINE ADJUSTMENT)

If the jig described below is available, it is recommended that the G2 Fine Mode Adjustment be performed to set the screen controls to their optimal condition. If desired, you can build the jig illustrated below, using 3-watt resistors. Please note that if the proper voltage is not obtained with the listed resistor's values, then increase or decrease one of the values in the resistor network to obtain the correct voltage.

- 1. Select VIDEO-1 mode no signal applied (the screen must be black).
- 2. Connect the G2 JIG.
- 3. SW on JIG.
- 4. Connect an oscilloscope to the TP7101(KR), TP7202(KG) and TP7301(KB) of CR board, CG board, and CB board.
- 5. Adjust red, green, and blue screen voltage to 177.5+/-0.5V with screen VR on the focus block.

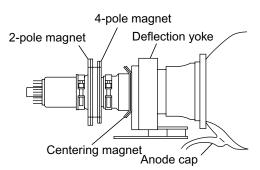


#### 2-3. DEFLECTION YOKE TILT ADJUSTMENT

- 1. Connect the color bar generator monoscope pattern to Video 1 input.
- Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- Loosen the CRT's deflection yoke set screw and align the tilt of the deflection yoke so that the horizontal bars at the center of the monoscope pattern are horizontal.
- 4. After aligning the deflection yoke fasten it securely to the funnel-shaped portion (neck) of the CRT.
  - The tilt of the deflection yoke is aligned in the mode.
- Cover the green and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps), then repeat steps 3 and 4 for the red CRT.

Cover the green and red CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps), then repeat steps 3 and 4 for the blue CRT.

**Note:** If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.



#### 2-4. FOCUS LENS ADJUSTMENT

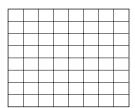
In this adjustment, use the remote commander while in service mode. For details on the usage of the service mode and the remote commander, please refer to section

2-10. ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER.

- 1. Loosen the lens screw.
- Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- Turn the green lens to adjust to the optimum focus point with the crosshatch signal.
- 4. Tighten the lens screw.
- Cover the green and blue CRT lenses with the lens caps to allow only red to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- Turn the red lens to adjust to the optimum focus point with the crosshatch signal.
- 7. Tighten the lens screw.
- 8. Cover the green and red CRT lenses with the lens caps to allow only blue to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 9. Turn the blue lens to adjust to the optimum focus point with the crosshatch signal.
- 10. Tighten the lens screw.
- 11. After adjusting the items:
  - 2-5. FOCUS VR ADJUSTMENT,
  - 2-6. 2-POLE MAGNET ADJUSTMENT,
  - 2-8. 4-POLE MAGNET ADJUSTMENT,

Reconfirm the optimum focus point and adjust again if necessary.

\* Every time 6 is pressed, the test signal changes to: "crosshatch+video signal" → "crosshatch+borderline (black)" → "crosshatch (black)" → "dots (black)" → off



Test Signal

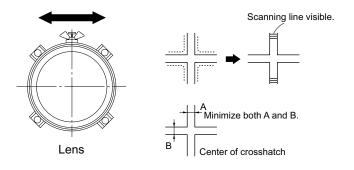
**Note:** If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.

#### 2-5. FOCUS VR ADJUSTMENT

- 1. Set generator to crosshatch.
- Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 3. Turn the green focus VR on the focus block to adjust to the optimum focus point with the crosshatch signal.
- 4. Cover the green and blue picture lenses with lens caps to allow only red to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 5. Turn the red focus VR on the focus block to adjust to the optimum focus point with the crosshatch signal.
- Cover the green and red picture lenses with lens caps to allow only blue to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 7. Turn the blue focus VR on the focus block to adjust to the optimum focus point with the crosshatch signal.
- 8. After adjusting the items:
  - 2-4. FOCUS LENS ADJUSTMENT,
  - 2-6. 2-POLE MAGNET AND CENTERING ADJUSTMENT,
  - 2-8. 4-POLE MAGNET ADJUSTMENT,

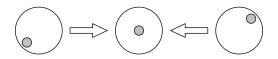
Reconfirm the optimum focus point and adjust again if necessary.

**Note:** If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.



## 2-6. 2-POLE MAGNET AND CENTERING MAGNET ADJUSTMENT

- 1. Set the picture mode to PRO and picture to MAX.
- Either select the PJED Test Pattern dot hatch signal or apply an external dot signal.
- Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 4. Turn the focus VR on the focus block to the left (counter clockwise) and set it to overfocus to enlarge the spot.
- Adjust the CRT's 2-pole magnet so that the small bright spot is in the center.
- 6. Align the focus VR on the focus block and set it for the best focus.
- 7. Apply a Monoscope signal to the set.
- 8. Adjust the H-CENTERING and V-CENTERING roughly by the centering magnets.
- 9. Check 2-pole magnet adjustment. If necessary repeat steps 1-6.
- 10. Repeat steps 1 through 9 for the red CRT covering the green and blue CRT lenses with lens caps to allow only red to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps) and adjust the red focus control on the focus block.
- 11. Repeat steps 1 through 9 for the blue CRT covering the red and green CRT lenses with lens caps to allow only blue to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps) and adjust the blue focus control on the focus block.



**Note:** If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.

#### 2-7. CENTERING MAGNET ADJUSTMENT

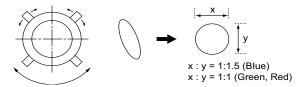
Not required - Combined with 2-6 2-Pole And Centering Magnet Adjustment.

#### 2-8. 4-POLE MAGNET ADJUSTMENT

- 1. Set the picture mode to PRO and picture to MAX.
- 2. Receive the Dot signal.
- 3. Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 4. Turn the (green) focus VR on the focus block to the right (clockwise) and set it to under-focus to reduce the spot.
- Adjust the 4-pole magnet so that the small spot in the center of the screen becomes round for green and red.
- 6. Adjust the blue spot to an oval shape X:Y=1:1.2

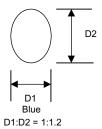
**Note:** If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.

Use the center dot



#### 2-9. BLUE DEFOCUS ADJUSTMENT

- Setup: Apply a Dot Hatch Signal and set the mode to Pro Mode. Change the color temperature to Cool in the user's menu.
- 2. Cover the red and green CRT lenses with lens caps to allow only blue to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 4. Turn the blue focus VR on the focus block to the right (clockwise) to make the round dot oval.



- Check the flare with a high luminance signal to make sure the flare is minimal while the bright spot is located in the center, If not, readjust the 2 and 4-pole magnets.
- 6. Check for uniformity on a 100% IRE to an all white signal.

**Note:** If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.

## 2-10.ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER

All of the circuit adjustments can be made by using the remote commander (RM-Y909).

**NOTE**: The following test equipment is required:

- 1. Pattern Generator (with component outputs)
- 2. Frequency counter
- 3. Digital multimeter
- 4. Audio oscillator

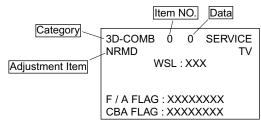
## 2-10-1.METHOD OF ENTERING THE SERVICE ADJUSTMENT MODE

#### SERVICE MODE PROCEDURE

- 1. TV must be in Standby mode. (Power off)
- Press "DISPLAY", "5", "VOL +", then "POWER" on the remote commander.

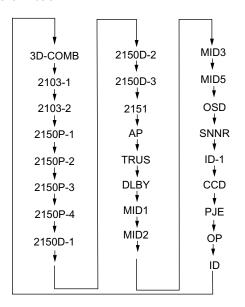
(Press each button within 1 second of pressing the previous button.)

#### SERVICE MODE ADJUSTMENT



- 3. The screen displays the item being adjusted within that category.
- 4. Press 1 or 4 on the remote commander to select the adjustment item.
- 5. Press 3 or 6 on the remote commander to change the data.
- 6. Press 2 or 5 on the remote commander to select the adjustment category.

Every time you press 2 (Category up), service mode changes in the order shown below:



If you want to go back to the most recently saved value, press "0" then "ENTER" to read the memory.

- 8. Press "MUTING" then "ENTER" to write the new adjustment data into memory.
- 9. When you want to exit the service mode, turn the power off.

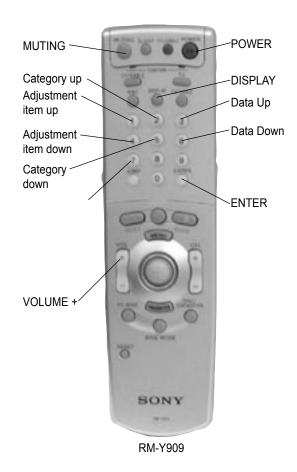
**Note**: Press "8" then "ENTER" on the remote commander to restore the factory settings for user controls and channel memories (this will also turn set off and then on to exit the service mode).

## 2-10-2.MEMORY WRITE CONFIRMATION METHOD

- 1. After adjustment, turn the power off with the remote commander.
- 2. Turn the power ON and set to service mode.
- 3. Cycle through the adjusted items again and confirm that the adjustments were saved.

## 2-10-3.ADJUSTING BUTTONS AND INDICATOR

**Note:** When the PJE mode (which displays an internally generated signal) is activated, several buttons on the remote commander will have different functions than the ones listed below. Therefore, when in the PJE mode, refer to section 2-12-3 for button functions.



Only the Adjustable registers are shown in the initial data list.

A complete set of the Initial data, Fixed and Adjustable, can be downloaded at: <a href="http://www-ec.sdp.sel.sony.com/padics/Model\_Data\_List.htm">http://www-ec.sdp.sel.sony.com/padics/Model\_Data\_List.htm</a> Initial data is also available in an Excel format.

| CATEGORY | #  | ITEM | DESCRIPTION                             | CONDITION                       | 51WS510 | 57WS510 | 65WS510 | MIN | MAX | + = Unsigned<br>- = Signed |                           |
|----------|----|------|---|---------------------------------|---------|---------|---------|-----|-----|----------------------------|---------------------------|
| C2103_1  | 2  | SCON | Sub contrast                            | RF                              | 7       | 7       | 7       | 0   | 15  | +                          |                           |
|          |    |      |   | Video 1-4                       | 7       | 7       | 7       | 0   | 15  | +                          | [0: GA, 1: US, 2: Europe] |
|          | 3  | SCOL | Sub color                               | RF                              | 7       | 7       | 7       | 0   | 15  | +                          |                           |
|          |    |      |   | Video 1-4                       | 7       | 7       | 7       | 0   | 15  | +                          |                           |
|          | 4  | SHUE | Sub hue                                 | RF                              | 7       | 7       | 7       | 0   | 15  | +                          |                           |
|          |    |      |   | Video 1-4                       | 7       | 7       | 7       | 0   | 15  | +                          |                           |
|          | 20 | CBOF | Cb Offset Adjustment                    | P&P Left M-DRC Video1-4         | 34      | 34      | 34      | 0   | 63  | +                          |                           |
|          |    |      |   | P&P Left M-DRC Video5,6 480i    | 34      | 34      | 34      | 0   | 63  | +                          |                           |
|          | 21 | CROF | Cr Offset Adjustment                    | P&P Left M-DRC Video1-4         | 32      | 32      | 32      | 0   | 63  | +                          |                           |
|          |    |      |   | P&P Left M-DRC Video5,6 480i    | 32      | 32      | 32      | 0   | 63  | +                          |                           |
| C2103_2  | 2  | SCON | Sub contrast                            | RF                              | 7       | 7       | 7       | 0   | 15  | +                          |                           |
|          |    |      |   | Video1-4                        | 7       | 7       | 7       | 0   | 15  | +                          |                           |
|          | 3  | SCOL | Sub color                               | RF                              | 7       | 7       | 7       | 0   | 15  | +                          |                           |
|          |    |      |   | Video1-4                        | 7       | 7       | 7       | 0   | 15  | +                          |                           |
|          | 4  | SHUE | Sub hue                                 | RF                              | 7       | 7       | 7       | 0   | 15  | +                          |                           |
|          |    |      |   | Video1-4                        | 7       | 7       | 7       | 0   | 15  | +                          |                           |
|          | 20 | CBOF | Cb Offset Adjustment                    | P&P Right S-DRC RF/Video1-4     | 32      | 32      | 32      | 0   | 63  | +                          |                           |
|          |    |      |   | P&P Right S-DRC Video5,6,7 480i | 32      | 32      | 32      | 0   | 63  | +                          |                           |
|          | 21 | CROF | Cr Offset Adjustment                    | P&P Right S-DRC RF/Video1-4     | 31      | 31      | 31      | 0   | 63  | +                          |                           |
|          |    |      |   | P&P Right S-DRC Video5,6,7 480i | 31      | 31      | 31      | 0   | 63  | +                          |                           |
| C2150P_1 | 4  | SBRT | Sub Bright                              | Common                          | 24      | 24      | 24      | 0   | 63  | +                          |                           |
|          | 5  | RDRV | R output drive                          | Common                          | 31      | 31      | 31      | 0   | 63  | +                          | (lower byte)              |
|          | 7  | BDRV | B output drive                          | Common                          | 31      | 31      | 31      | 0   | 63  | +                          | (upper byte)              |
|          | 8  | RCUT | R output cutoff                         | Common                          | 31      | 31      | 31      | 0   | 63  | +                          |                           |
|          | 10 | BCUT | B output cutoff                         | Common                          | 31      | 31      | 31      | 0   | 63  | +                          |                           |
| C2150D_1 | 0  | VPOS | Vertical position(V_DRV signal DC bias) | Common                          | 27      | 27      | 27      | 0   | 63  | +                          |                           |
|          | 1  | VSIZ | V_SIZE:Vertical size(V_DRV signal gain) | Common                          | 50      | 50      | 50      | 0   | 63  | +                          |                           |
|          | 2  | VSZO | V_SIZE OFFSET                           | 1080i                           | 23      | 23      | 23      | 0   | 63  | +                          |                           |
| C2150D_2 | 2  | HSIZ | H_SIZE:Horizontal size                  | Wide Zoom                       | 35      | 35      | 35      | 0   | 63  | +                          |                           |
|          | L  |      |   | Full/Normal/Zoom                | 35      | 35      | 35      | 0   | 63  | +                          |                           |
|          | 3  | SLIN | MP_PARA_DC:Horizontal S-correction      | Wide Zoom                       | 0       | 0       | 0       | 0   | 15  | +                          |                           |
|          |    |      |   | Full/Normal/Zoom                | 0       | 0       | 0       | 0   | 15  | +                          |                           |
| OSD      | 0  | HPOS | OSD horizontal position                 | Common                          | 18      | 18      | 18      | 0   | 255 | +                          |                           |
|          | 1  | HPOF | Horizontal position for Favorite mode   | Common                          | 32      | 32      | 32      | 0   | 255 | +                          |                           |
| CCD      | 0  | HPRM | Horizontal position of CCD(Main)        | Common                          | 49      | 49      | 49      | 0   | 255 | +                          |                           |
|          | 1  | HPRS | Horizontal position of CCD(Sub)         | Common                          | 49      | 49      | 49      | 0   | 255 | +                          | <b>▲</b> 6: 1130→1110     |

|          |    |      |  |           | 51WS510 | 57WS510 | 65WS510 |      |     | Unsigned<br>Signed |              |
|----------|----|------|--|-----------|---------|---------|---------|------|-----|--------------------|--------------|
| CATEGORY | #  | ITEM | DESCRIPTION                                | CONDITION | 21W     | 27W     | 95W     | Z    | MAX |                    |              |
| PJE      | 29 | ROGH | Green Horizontal Sensor 0 Ratio Offset     | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 30 | RORH | Red Horizontal Sensor 0 Ratio Offset       | (common)  | 0       | 0       | 0       | -128 | 127 | -                  | 1            |
|          | 31 | ROBH | Blue Horizontal Sensor 0 Ratio Offset      | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 32 | R1GH | Green Horizontal Sensor 1 Ratio Offset     | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 33 | R1RH | Red Horizontal Sensor 1 Ratio Offset       | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 34 | R1BH | Blue Horizontal Sensor 1 Ratio Offset      | (common)  | 0       | 0       | 0       | -128 | 127 | -                  | 1            |
|          | 35 | R1GV | Green Vertical Sensor 1 Ratio Offset       | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 36 | R1RV | Red Vertical Sensor 1 Ratio Offset         | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 37 | R1BV | Blue Vertical Sensor 1 Ratio Offset        | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 38 | R2GH | Green Horizontal Sensor 2 Ratio Offset     | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 39 | R2RH | Red Horizontal Sensor 2 Ratio Offset       | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 40 | R2BH | Blue Horizontal Sensor 2 Ratio Offset      | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 41 | R2GV | Green Vertical Sensor 2 Ratio Offset       | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 42 | R2RV | Red Vertical Sensor 2 Ratio Offset         | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 43 | R2BV | Blue Vertical Sensor 2 Ratio Offset        | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 44 | R3GH | Green Horizontal Sensor 3 Ratio Offset     | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 45 | R3RH | Red Horizontal Sensor 3 Ratio Offset       | (common)  | 0       | 0       | 0       | -128 | 127 | -                  | (upper byte) |
|          | 46 | R3BH | Blue Horizontal Sensor 3 Ratio Offset      | (common)  | 0       | 0       | 0       | -128 | 127 | -                  | (lower byte) |
|          | 47 | PTRH | Red Horiz Top Pattern Position Offset      | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 48 | PTBH | Blue Horiz Top Pattern Position Offset     | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 49 | PLRH | Red Horiz Left Pattern Position Offset     | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 50 | PLBH | Blue Horiz Left Pattern Position Offset    | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 51 | PLRV | Red Vertical Left Pattern Position Offset  | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 52 | PLBV | Blue Vertical Left Pattern Position Offset | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 53 | PRRH | Red Horiz Right Pattern Position Offset    | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 54 | PRBH | Blue Horiz Right Pattern Pos Offset        | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |
|          | 55 | PRGH | Green Vertical Right Pattern Pos Offset    | (common)  | 0       | 0       | 0       | -128 | 127 | -                  | ]            |
|          | 56 | PRRV | Red Vertical Right Pattern Pos Offset      | (common)  | 0       | 0       | 0       | -128 | 127 | -                  | ]            |
|          | 57 | PRBV | Blue Vertical Right Pattern Pos Offset     | (common)  | 0       | 0       | 0       | -128 | 127 | -                  | ]            |
|          | 58 | PBGH | Green Horiz Bottom Pattern Pos Offset      | (common)  | 0       | 0       | 0       | -128 | 127 | -                  | ]            |
|          | 59 | PBRH | Red Horiz Bottom Pattern Pos Offset        | (common)  | 0       | 0       | 0       | -128 | 127 | -                  | ]            |
|          | 60 | PBBH | Blue Horiz Bottom Pattern Pos Offset       | (common)  | 0       | 0       | 0       | -128 | 127 | -                  |              |

| CATEGORY | #  | ITEM | DESCRIPTION                                | CONDITION | 51WS510 | 57WS510 | 65WS510 | NIM | МАХ   | + = Unsigned<br>- = Signed |
|----------|----|------|--|-----------|---------|---------|---------|-----|-------|----------------------------|
| PJE      | 61 | ERR  | Auto Regi. Error code                      | (common)  | 0       | 0       | 0       | 0   | 65535 | +                          |
|          | 66 | VUP  | Sensor 0 Green Vertical Pattern Position   | (common)  | 41      | 41      | 41      | 0   | 2047  | +                          |
|          | 67 | VMID | Sensor 1 Green Vertical Pattern Position   | (common)  | 505     | 505     | 505     | 0   | 2047  | +                          |
|          | 68 | VLOW | Sensor 3 Green Vertical Pattern Position   | (common)  | 971     | 971     | 971     | 0   | 2047  | +                          |
|          | 69 | HLE  | Sensor 1 Green Horizontal Pattern Position | (common)  | 55      | 55      | 55      | 0   | 4095  | +                          |
|          | 70 | HMID | Sensor 0 Green Horizontal Pattern Position | (common)  | 636     | 636     | 636     | 0   | 4095  | +                          |
|          | 71 | HRIV | Sensor 2 Green Horizontal Pattern Position | (common)  | 1217    | 1217    | 1217    | 0   | 4095  | +                          |
|          | 72 | TEST | Auto Regi. Test Item                       | (common)  |         |         |         | •   |       |                            |
|          | 73 | SFTF | Fast motion of burn prevention switch      | (common)  |         |         |         |     |       |                            |
|          | 74 | SFTE | CRT burn prevention enable                 | (common)  | 0       | 0       | 0       | 0   | 7     | +                          |
|          | 75 | ACTL | Account timer counter lower byte           | (common)  | 7       | 7       | 7       | 0   | 255   | +                          |
|          | 76 | ACTH | Account timer counter upper byte           | (common)  | 0       | 0       | 0       | 0   | 255   | +                          |
|          | 77 | ATTN | Auto Regi attenuation select               | (common)  | 0       | 0       | 0       | 0   | 3     | +                          |

| CATEGORY | # | ITEM | DESCRIPTION | CONDITION     | 51WS510 | 57WS510 | 65WS510 | MIN  | MAX | + = Unsigned<br>- = Signed |
|----------|---|------|-------------|---------------|---------|---------|---------|------|-----|----------------------------|
| PJE      |   | CENT | R H Cent    | Full / Normal | 35      | 35      | 35      | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 35      | 35      | 35      | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 35      | 35      | 35      | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 35      | 35      | 35      | -512 | 511 | -                          |
|          |   |      | R V Cent    | Full / Normal | 20      | 20      | 20      | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 20      | 20      | 20      | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 20      | 20      | 20      | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 20      | 20      | 20      | -512 | 511 | -                          |
|          |   |      | G H Cent    | Full / Normal | 35      | 35      | 35      | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 35      | 35      | 35      | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 35      | 35      | 35      | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 35      | 35      | 35      | -512 | 511 | -                          |
|          |   |      | G V Cent    | Full / Normal | 20      | 20      | 20      | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 20      | 20      | 20      | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 20      | 20      | 20      | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 20      | 20      | 20      | -512 | 511 | -                          |

| CATEGORY | # | ITEM | DESCRIPTION | CONDITION     | 51WS510 | 57WS510 | 65WS510 | NIM  | MAX | + = Unsigned<br>- = Signed |
|----------|---|------|-------------|---------------|---------|---------|---------|------|-----|----------------------------|
| PJE      |   |      | B H Cent    | Full / Normal | 35      | 35      | 35      | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 35      | 35      | 35      | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 35      | 35      | 35      | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 35      | 35      | 35      | -512 | 511 | -                          |
|          |   |      | B V Cent    | Full / Normal | 20      | 20      | 20      | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 20      | 20      | 20      | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 20      | 20      | 20      | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 20      | 20      | 20      | -512 | 511 | -                          |
|          |   | SKEW | R H Skew    | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      | R V Skew    | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      | G H Skew    | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |

| CATEGORY | # | ITEM | DESCRIPTION | CONDITION     | 51WS510 | 57WS510 | 65WS510 | NIN  | MAX | + = Unsigned<br>- = Signed |
|----------|---|------|-------------|---------------|---------|---------|---------|------|-----|----------------------------|
| PJE      |   |      | G V Skew    | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      | B H Skew    | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      | B V Skew    | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   | SIZE | R H Size    | Full / Normal |         | -100    | -100    | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | -100    | -100    |         | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | -100    | -100    | -100    | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    |         | -100    |         | -512 | 511 | -                          |
|          |   |      | R V Size    | Full / Normal |         | -75     | -75     | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | -75     | -75     | -75     | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | -75     | -75     | -75     | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    |         | -75     |         | -512 | 511 | -                          |

|                 | ,, |      |                         |               | 51WS510 | 57WS510 | 65WS510 | NIM  | MAX | = Unsigned<br>= Signed |
|-----------------|----|------|-------------------------|---------------|---------|---------|---------|------|-----|------------------------|
| CATEGORY<br>PJE | #  | ITEM | DESCRIPTION<br>G H Size | CONDITION     |         |         |         |      |     | + .                    |
|                 |    |      |                         | Full / Normal | -100    | -100    | -100    | -512 | 511 | -                      |
|                 |    |      |                         | Zoom / V.Comp |         | -100    |         | -512 | 511 | -                      |
|                 |    |      |                         | WideZoom      |         | -100    |         | -512 | 511 | -                      |
|                 |    |      |                         | 1080i Full    |         | -100    |         | -512 | 511 | -                      |
|                 |    |      | G V Size                | Full / Normal |         | -75     |         | -512 | 511 | -                      |
|                 |    |      |                         | Zoom / V.Comp | -75     | -75     | -75     | -512 | 511 | -                      |
|                 |    |      |                         | WideZoom      | -75     | -75     | -75     | -512 | 511 | -                      |
|                 |    |      |                         | 1080i Full    | -75     | -75     | -75     | -512 | 511 | -                      |
|                 |    |      | B H Size                | Full / Normal |         | -100    |         | -512 | 511 | -                      |
|                 |    |      |                         | Zoom / V.Comp | -100    | -100    |         | -512 | 511 | -                      |
|                 |    |      |                         | WideZoom      | -100    | -100    |         | -512 | 511 | -                      |
|                 |    |      |                         | 1080i Full    | -100    | -100    | -100    | -512 | 511 | -                      |
|                 |    |      | B V Size                | Full / Normal |         | -75     |         | -512 | 511 | -                      |
|                 |    |      |                         | Zoom / V.Comp | -75     | -75     | -75     | -512 | 511 | -                      |
|                 |    |      |                         | WideZoom      | -75     | -75     | -75     | -512 | 511 | -                      |
|                 |    |      |                         | 1080i Full    |         | -75     |         | -512 | 511 | -                      |
|                 |    | LIN  | R H Lin                 | Full / Normal |         | 425     |         | -512 | 511 | -                      |
|                 |    |      |                         | Zoom / V.Comp | 425     | 425     | 425     | -512 | 511 | -                      |
|                 |    |      |                         | WideZoom      | 425     | 425     | 425     | -512 | 511 | -                      |
|                 |    |      |                         | 1080i Full    |         | 425     |         | -512 | 511 | -                      |

| CATEGORY | # | ITEM | DESCRIPTION | CONDITION     | 51WS510 | 57WS510 | 65WS510 | NIM  | MAX | + = Unsigned<br>- = Signed |
|----------|---|------|-------------|---------------|---------|---------|---------|------|-----|----------------------------|
| PJE      |   |      | R V Lin     | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      | G H Lin     | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      | G V Lin     | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      | B H Lin     | Full / Normal |         | -425    |         | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | -425    | -425    | -425    | -512 | 511 | -                          |
|          |   |      |             | WideZoom      |         | -425    |         | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | -425    | -425    | -425    | -512 | 511 | -                          |
|          |   |      | B V Lin     | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |

| CATEGORY | # | ITEM | DESCRIPTION | CONDITION     | 51WS510 | 57WS510 | 65WS510 | NIM  | MAX | + = Unsigned<br>- = Signed |
|----------|---|------|-------------|---------------|---------|---------|---------|------|-----|----------------------------|
| PJE      |   | KEY  | R V Key     | Full / Normal | 120     | 120     | 120     | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 120     | 120     | 120     | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 120     | 120     | 120     | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 120     | 120     | 120     | -512 | 511 | -                          |
|          |   |      | G V Key     | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      | B V Key     | Full / Normal |         | -120    |         | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp |         | -120    |         | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | -120    | -120    | -120    | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | -120    | -120    | -120    | -512 | 511 | -                          |
|          |   | PIN  | R H Pin     | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      | R V Pin     | Full / Normal | 350     | 350     | 350     | -512 | 511 | -                          |
|          |   |      |             | Zoom / V.Comp | 350     | 350     | 350     | -512 | 511 | -                          |
|          |   |      |             | WideZoom      | 350     | 350     | 350     | -512 | 511 | -                          |
|          |   |      |             | 1080i Full    | 350     |         |         | -512 | 511 | -                          |

| CATEGORY | # | ITEM | DESCRIPTION | CONDITION     | 51WS510 | 57WS510 | 65WS510 | MIN  | MAX | = Unsigned<br>= Signed |
|----------|---|------|-------------|---------------|---------|---------|---------|------|-----|------------------------|
| PJE      | " |      | G H Pin     | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                      |
|          |   |      |             | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                      |
|          |   |      |             | WideZoom      | 0       | 0       | 0       | -512 | 511 | -                      |
|          |   |      |             | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                      |
|          |   |      | G V Pin     | Full / Normal | 400     | 400     | 400     | -512 | 511 | -                      |
|          |   |      |             | Zoom / V.Comp | 400     | 400     | 400     | -512 | 511 | -                      |
|          |   |      |             | WideZoom      | 400     | 400     | 400     | -512 | 511 | -                      |
|          |   |      |             | 1080i Full    | 400     | 400     | 400     | -512 | 511 | -                      |
|          |   |      | B H Pin     | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                      |
|          |   |      |             | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                      |
|          |   |      |             | WideZoom      | 0       | 0       | 0       | -512 | 511 | -                      |
|          |   |      |             | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                      |
|          |   |      | B V Pin     | Full / Normal | 350     | 350     | 350     | -512 | 511 | -                      |
|          |   |      |             | Zoom / V.Comp | 350     | 350     | 350     | -512 | 511 | -                      |
|          |   |      |             | WideZoom      | 350     | 350     | 350     | -512 | 511 | -                      |
|          |   |      |             | 1080i Full    | 350     | 350     | 350     | -512 | 511 | -                      |
|          |   | MLIN | R H MLin    | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                      |
|          |   |      |             | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                      |
|          |   |      |             | WideZoom      | -150    | -150    | -150    | -512 | 511 | -                      |
|          |   |      |             | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                      |

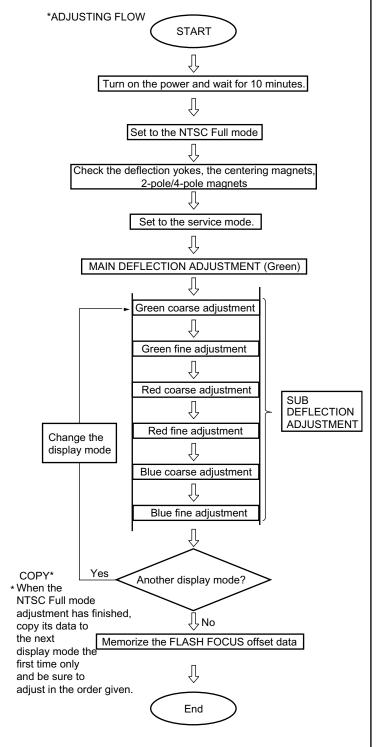
| CATEGORY | # | ITEM | DESCRIPTION     | CONDITION     | 51WS510 | 57WS510 | 65WS510 | MIN  | MAX | + = Unsigned<br>- = Signed |
|----------|---|------|-----------------|---------------|---------|---------|---------|------|-----|----------------------------|
| PJE      |   |      | G H MLin        | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |                 | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |                 | WideZoom      | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |                 | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      | B H MLin        | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |                 | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |                 | WideZoom      | 150     | 150     | 150     | -512 | 511 | -                          |
|          |   |      |                 | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   | MSIZ | R H Middle Size | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |                 | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |                 | WideZoom      |         | -100    |         | -512 | 511 | -                          |
|          |   |      |                 | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      | G H Middle Size | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |                 | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |                 | WideZoom      | -200    | -200    | -200    | -512 | 511 | -                          |
|          |   |      |                 | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      | B H Middle Size | Full / Normal | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |                 | Zoom / V.Comp | 0       | 0       | 0       | -512 | 511 | -                          |
|          |   |      |                 | WideZoom      |         | -100    |         | -512 | 511 | -                          |
|          |   |      |                 | 1080i Full    | 0       | 0       | 0       | -512 | 511 | -                          |

**▲**5 **▲**5

### 2-11-1.ID MAP TABLE

| ID    | D                     |  |     |  |  |  |  |  |  |
|-------|-----------------------|--|-----|--|--|--|--|--|--|
| Reg.I | Reg.No &Name FUNCTION |  |     |  |  |  |  |  |  |
| 0     | ID0                   | Selection of OSD languages & color systems | 89  |  |  |  |  |  |  |
| 1     | ID1                   | Selection of composite & s-video inputs    | 127 |  |  |  |  |  |  |
| 2     | ID2                   | Selection of audio-related controls        | 239 |  |  |  |  |  |  |
| 3     | ID3                   | Selection of basic system settings         | 98  |  |  |  |  |  |  |
| 4     | ID4                   | Selection of basic system settings         | 203 |  |  |  |  |  |  |
| 5     | ID5                   | Selection of advanced system settings      | 177 |  |  |  |  |  |  |
| 6     | ID6                   | Selection of sub picture related settings  | 54  |  |  |  |  |  |  |
| 7     | ID7                   | Selection of some reserved settings        | 24  |  |  |  |  |  |  |

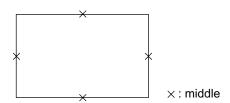
#### 2-12.REGISTRATION ADJUSTMENT



#### 2-12-1.SET-UP FOR ADJUSTMENT

#### **MARKING**

• At the 4 sides of the screen, use a tape measure to locate the middle.



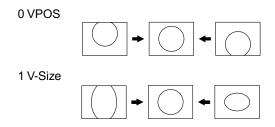
#### **DATA SETTING**

- 1. Set NTSC Full mode.
- 2. Enter the service mode, and select "PJE".

#### 2-12-2.MAIN DEFLECTION ADJUSTMENT

NOTE: Before this adjustment, refer to section 2-11 for PJE input data items #78-85.

- 1. Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 2. Enter the monoscope signal and set to NTSC Full mode.
- 3. Enter the service mode, and select "2150D-1".
- 4. Adjust "0 VPOS" and "1 VSIZ" so that the picture is displayed in the center of the screen.
- 5. Adjust "2VSZ0" for 1080i vertical size adjustment.

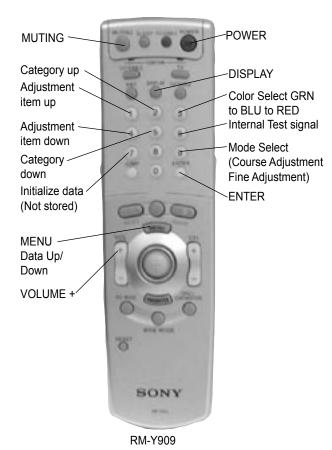


6. Select "2150D-2" and adjust "2 H-Size" so that the picture size is within the specification.

| SPEC         | Overscan Spec. = 9% |                |  |  |  |  |  |  |
|--------------|---------------------|----------------|--|--|--|--|--|--|
| Input Signal | H SIZE              | V SIZE         |  |  |  |  |  |  |
| Monoscope    | 15.6 ± 0.2 sq.      | 11.5 ± 0.2 sq. |  |  |  |  |  |  |
| 2 H-Size     |                     |                |  |  |  |  |  |  |
|              | -                   |                |  |  |  |  |  |  |

7. Copy the data of the NTSC Full mode to the other display mode and, if necessary, adjust in the other mode.

## 2-12-3.OPERATION METHOD FOR PROJECTOR ENGINE MODE



#### 1. FUNCTION OF KEYS ON COMMANDER

- Changes adjustment item. (Item # moves up)

  Marker moves clockwise from center to outside.
  (In Fine Adjustment mode)
- Changes adjustment item. (Item # moves down)

  Marker moves counter clockwise from outside to center.
  (In Fine Adjustment mode)
- Changes adjustment category. (Category # moves up)
- (Category # moves down)

Joystick Changes data value. (Up or down)

Marker moves clockwise from center (up, down, right, and then left) to outside. (In Fine Adjustment mode)

- ③ Changes adjustment color. GRN →BLU →RED
- ⑤ Displays or changes internal test signals. crosshatch + external signal → crosshatch + borderline → crosshatch only → dot only → off
- Switches adjustment mode. Coarse adjustment model → Fine adjustment mode

Press Switches marker moving method.

Joystick (In Fine Adjustment mode)

Joystick 

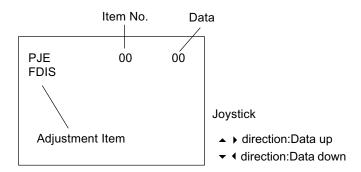
↓ keys → 1 and 4 buttons

#### **Commander Function**

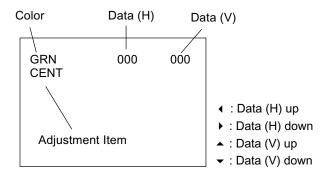
| Buttons          | Mode    | Description                  |
|------------------|---------|------------------------------|
| 0 + ENTER        | READ    | Reads data to NVM.           |
| MUTING+ENTER     | WRITE   | Writes data from NVM.        |
| <b>7</b> + ENTER | PJE     | Service data initialization. |
|                  | INITIAL | Not stored.                  |
|                  |         | (Be sure not to use usually) |

#### 2. OPERATION METHOD FOR COARSE ADJUSTMENT

- 1. Enter the service mode and select "PJE".
- 2. Press the "1" or "4" button on the remote commander to select the item, and then use the joystick to change the data.



- 3. Select "GRN CENT". When BLU or RED is displayed, press the "3" button on the remote commander to change the adjustment color in the order of GRN →BLU →RED.
- 4. In GRN, BLU, or RED mode, move the joystick ♠ or ▼ to change the data in vertical direction, or ♠ to change the data in a horizontal direction.

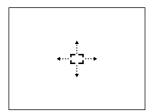


5. Before returning to the service mode, press the "MUTING" + "ENTER" buttons on the remote commander to write the data. (You must complete step 5 to write the data. If you omit step 5 the set data is returned to the data prior to the adjustment.)

#### 3. OPERATION METHOD FOR FINE ADJUSTMENT

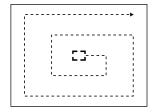
- 1. Enter the service mode and select "PJE".
- 2. Select FDIS and set the data to "01" so that the data at each position can be displayed in fine adjustment mode.

- 3. Press the "9" button on the remote commander and fine adjustment mode will be active where a green marker appears in the center of the screen. (In the case of GRN mode)
- 4. Press down on the joystick, and the marker color will be alternately switched between green (GRN mode) and white.
- 5. Press the "1" or "4" button on the remote commander, or use the joystick to move the marker to the position to be adjusted, where fine adjustment can be made.
- When the marker color is white: (in this case, fine adjustment is disabled)



Use the joystick to move the marker up, down, left, or right.

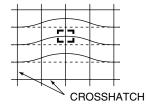
When the marker color is green: (GRN mode)

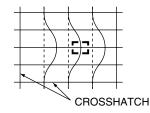


- ① : Moves the marker clockwise from the center to the outside.
- Moves the marker counter clockwise from the outside to the center.
- \* Fine adjustment can be made on the basis of a marker position using the joystick to move  $\stackrel{\blacktriangle}{\longrightarrow}$   $\stackrel{\blacktriangledown}{\longrightarrow}$  or  $\stackrel{\blacktriangleright}{\triangleright}$ .

Move joystick <sup>▲</sup> direction

Move joystick ▶ direction





6. Press the "9" button on the remote commander to return to coarse adjustment mode.

## 2-13.PJE ADJUSTMENT (SUB DEFLECTION ADJUSTMENT)

|                 | Adjı        | ustment ty  | ре          |
|-----------------|-------------|-------------|-------------|
| Adjustment item | G           | R           | В           |
|                 | H/V*        | H/V*        | H/V*        |
| CENT            | O/O         | O/O         | O/O         |
| SKEW            | O/O         | O/O         | O/O         |
| SIZE            | O/O         | O/O         | O/O         |
| LIN             | O/O         | O/O         | O/O         |
| KEY             | <b>-</b> /O | <b>-</b> /O | <b>-</b> /O |
| PIN             | O/O         | O/O         | O/O         |
| MLIN            | 0/—         | 0/—         | 0/—         |
| MSIZ            | 0/—         | 0/—         | 0/-         |

<sup>\*</sup> H = Horizontal V = Vertical O = Yes - = No

**Note:** If the value is over the limit value, adjust these in the fine adjustment mode.

#### **Coarse Data Limit Value:**

| CENT H     | 35 ± 170V |
|------------|-----------|
| CENT V     | 20 ± 170V |
| SIZE H     | -75 MAX   |
| BLUE H LIN | -425 MIN  |
| RED H LIN  | 425 MAX   |

#### 2-13-1.ADJUSTMENT FOR NTSC FULL MODE

• The adjustment should be done in the numerical order given.

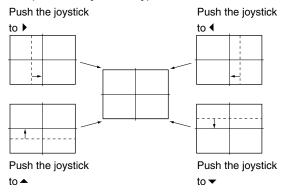
#### 1) GREEN ADJUSTMENT

1. Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).

**Note:** If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.

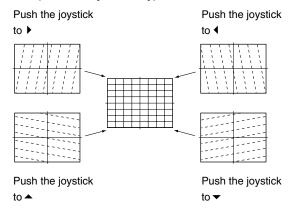
- 2. Enter the monoscope signal to set.
- 3. Select the PJE mode.
- 4. Press the "6" button on the remote commander to display the internal test signal (crosshatch).
- 5. Select "GRN CENT", and adjust so that the pictures coincide in the center of screen.

#### **GRN CENT (Horizontally/Vertically)**



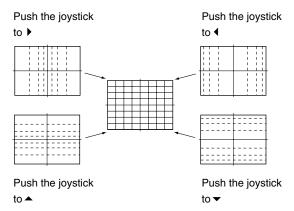
Select "GRN SKEW", and correct the tilt of horizontal lines and vertical lines.

#### **GRN SKEW (Horizontally/Vertically)**



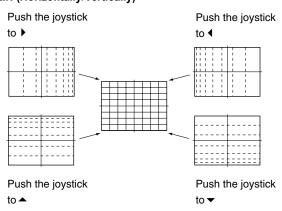
8. Select "GRN SIZE", and adjust so that each distance from center to left end and to right end is equal. Adjust so that each distance from center to top and to bottom is equal.

#### **GRN SIZE (Horizontally/Vertically)**



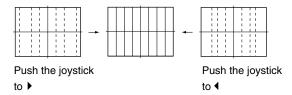
9. Select "GRN LIN", and adjust so that each space at the right end and at the left end of screen is equal. Adjust so that each space at the top and at the bottom of screen is equal.

#### **GRN LIN (Horizontally/Vertically)**



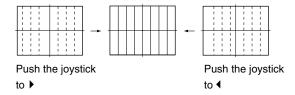
10. Select "GRN MSIZ", and correct the space intervals for the horizontal section so the screen is equal.

### **GRN MSIZ (Horizontally)**



11. Select "GRN MLIN", and correct the sizes of the horizontal line so the center of the screen is symmetrical left and right.

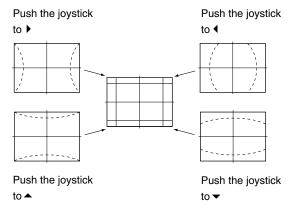
#### **GRN MLIN (Horizontally)**



**Note**: The SIZE and LIN, MSIZ and MLIN adjustments affect each other. If necessary, adjust these mutually.

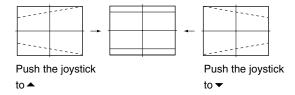
12. Select "GRN PIN", and adjust so that right and left vertical lines on the screen become straight. Adjust so that upper and lower horizontal lines on the screen become straight.

#### **GRN PIN (Horizontally/Vertically)**



13. Select "GRN KEY", and adjust so that upper and lower horizontal lines on the screen become parallel.

#### **GRN KEY (Vertically)**



**Note**: The VPIN and KEY adjustments affect each other. If necessary, adjust these mutually.

14. Press the "9" button on the remote commander to enter fine adjustment mode.

- 15. Make the fine adjustment so that horizontal lines and vertical lines become straight.
- 16. Press the "9" button on the remote commander to return to coarse adjustment mode.

### 2) RED ADJUSTMENT

- Cover the blue CRT lens with a lens caps to allow only the green and red to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 2. Press the "3" button on the remote commander to select RED mode.
- 3. Adjust the following items so that red lines overlap with green lines.
  - RED CENT (horizontally/vertically)
  - RED SKEW (horizontally/vertically)
  - RED SIZE (horizontally/vertically)
  - RED LIN (horizontally/vertically)
  - RED MSIZ (horizontally)
  - RED MLIN (horizontally)
  - RED PIN (horizontally/vertically)
  - RED KEY (vertically)
- 4. Press the "9" button on the remote commander to enter fine adjustment mode.
- Make the fine adjustment so that horizontal lines and vertical lines overlap with green lines.
- Press the "9" button on the remote commander to return to coarse adjustment mode.

**Note:** If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.

#### 3) BLUE ADJUSTMENT

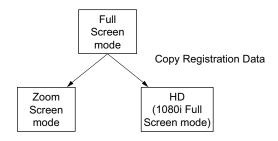
- 1. Remove the lens cap from the blue picture lens to display all colors.
- 2. Press the "3" button on the remote commander to select BLU mode.
- Adjust the following items so that blue lines overlap with green and red lines.
  - BLU CENT (horizontally/vertically)
  - BLU SKEW (horizontally/vertically)
  - BLU SIZE (horizontally/vertically)
  - BLU LIN (horizontally/vertically)
  - BLU MSIZ (horizontally)
  - BLU MLIN (horizontally)
  - BLU PIN (horizontally/vertically)
  - BLU KEY (vertically)
- Press the "9" button on the remote commander to enter fine adjustment mode.
- Make the fine adjustment so that horizontal lines and vertical lines overlap with green and red lines.
- Press the "9" button on the remote commander to return `to coarse adjustment mode.

#### 4) REGISTRATION DATA WRITING

 After completing each adjustment of green, blue, and red for the NTSC Full mode press the "MUTING"+ "ENTER" buttons on the remote commander to write the registration data to the NVM.

### 2-13-2.COPYING ALL REGISTRATION DATA TO OTHER MODES

- Make sure that the adjustment for NTSC Full mode are complete and the data have already been written.
- 2. Select the PJE mode.
- Select Copy and set the data to "01", and press the "MUTING"+"ENTER" buttons on the remote commander.
- 4. The data from the NTSC Full mode is copied to all other modes.



Check in the other modes and adjust as demands.Be sure to write data in each mode.

#### 2-14.AUTO REGISTRATION OFFSETS

#### **IMPORTANT**

This adjustment must be performed after registration adjustment or after readjustment for any reason!

Once registration in all modes is satisfactory:

- 1. Darken the room environment near the set.
- Select input of RF (with a signal) or Video1 Video4 (with a signal), and enter Full Mode.

#### **WARNING: DO NOT USE 1080i SIGNAL!**

- 3. Enter service mode and select the PJE group.
- Press the "MUTING" + "ENTER" buttons on the remote commander to write the data for Full mode.

#### Important:

You must complete step 4 even if registration looks OK in Full mode and there were not any adjustments made.

To automatically store the offset values, press the "FLASH FOCUS" button on the front panel of the set.

(The offset value is now stored)

If FLASH FOCUS successfully calibrates, it displays "CALIBRATION OK."

If FLASH FOCUS does not successfully calibrate, an error message is displayed. (Refer to section 2-15)

- 6. Exit the service mode.
- 7. If the calibration was successful, press the "FLASH FOCUS" button out of service mode.
- 8. Confirm registration is OK in all modes.

### 2-15.AUTO REGISTRATION ERROR CODES

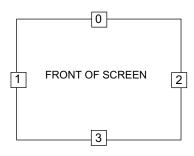
If an error code is displaye □

are off, even slightly, the auto-registration pattern will not hit the four sensors properly. This occurs when the internal generator patterns are being flashed on the screen for the sensors to read. Therefore, auto registration (called auto convergence) cannot operate properly, causing an error code to be displayed. In order for this function to operate properly correct position, tilt, and size must be adjusted properly.

#### **ERROR CODE LIST**

| <b>ERROR</b> |   |   |
|--------------|---|---|
| CODE         | DESCRIPTION                             | NOTE  |
| 00           | No Error                                |   |
| 10           | Sensor 0 low output                     | Check sensor 0, connection/wiring, circuit, and pattern position (are patterns hitting sensor?) adjust 66 VUP, 70 HMID if necessary.  |
| 11           | Sensor 1 low output                     | Check sensor 1, connection/wiring, circuit, and pattern position (are patterns hitting sensor?) adjust 69 HLE, 67 VMID if necessary.  |
| 12           | Sensor 2 low output                     | Check sensor 2, connection/wiring, circuit, and pattern position (are patterns hitting sensor?) adjust 71 HRIV, 67 VMID if necessary. |
| 13           | Sensor 3 low output                     | Check sensor 3, connection/wiring, circuit, and pattern position (are patterns hitting sensor?) adjust 68 VLOW, 70 HMID if necessary. |
| 20           | Sensor 0 high output                    | Check sensor 0 and circuit.   |
| 21           | Sensor 1 high output                    | Check sensor 1 and circuit.   |
| 22           | Sensor 2 high output                    | Check sensor 2 and circuit.   |
| 23           | Sensor 3 high output                    | Check sensor 3 and circuit.   |
| 30           | V CENT or SKEW adjustment loop overflow | Check 67 VMID data and check registration condition.  |
| 31           | H CENT or SKEW adjustment loop overflow | Check 70 HMID data and check registration condition.  |
| 32           | H LIN or SIZE adjustment loop overflow  | Check 69 HLE and 71 HRIV data and check registration condition.   |
| 40           | V CENT regi data overflow               | Check 67 VMID data and confirm V CENT data (all modes) is not near 511.   |
| 41           | H CENT regi data overflow               | Check 70 HMID data and confirm H CENT data (all modes) is not near 511.   |
| 42           | V SKEW regi data overflow               | Check 67 VMID data and confirm V SKEW data (all modes) is not near 511.   |
| 43           | H SKEW regi data overflow               | Check 70 HMID data and confirm H SKEW data (all modes) is not near 511.   |
| 44           | H LIN regi data overflow                | Check 69 HLE and 71 HRIV data and confirm H CENT data (all modes) is not near 511.  |
| 45           | H SIZE regi data overflow               | Check 69 HLE and 71 HRIV data and confirm H CENT data (all modes) is not near 511.  |
| 50           | V CENT regi data overdrow               | Check 67 VMID data and confirm V CENT data (all modes) is not near -512.  |
| 51           | H CENT regi data overdrow               | Check 70 HMID data and confirm H CENT data (all modes) is not near -512.  |
| 52           | V SKEW regi data overdrow               | Check 67 VMID data and confirm V SKEW data (all modes) is not near -512.  |
| 53           | H SKEW regi data overdrow               | Check 70 HMID data and confirm H SKEW data (all modes) is not near -512.  |
| 54           | H LIN regi data overdrow                | Check 69 HLE and 71 HRIV data and confirm H LIN data (all modes) is not near -512.  |
| 55           | H SIZE regi data overdrow               | Check 69 HLE and 71 HRIV data and confirm H SIZE data (all modes) is not near -512.   |
| 60           | CENT/SKEW calibration loop overflow     | Check 70 HMID and 67 VMID data and check registration condition.  |
| 61           | SIZE/LIN calibration loop overflow      | Check 69 HLE, 71 HRIV, 66 VUP, and 68 VLOW data and check registration condition.   |
| 70           | V CENT/SKEW ratio limit                 | Check sensors 1 and 2, connection/wiring, circuit, increase 65 RTLM.  |
| 71           | H CENT/SKEW ratio limit                 | Check sensors 0 and 3, connection/wiring, circuit, increase 65 RTLM.  |
| 73           | H SIZE/Lin ratio limit                  | Check sensors 1 and 2, connection/wiring, circuit, increase 65 RTLM.  |
| 80           | SIZE Limit Error                        | Check that horizontal SIZE data is not near 64 SZLM.  |
|              |   | ÷   |

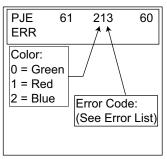
#### **SENSOR POSITIONS**



- 0: UPPER SENSOR
- 1: LEFT SENSOR
- 2: RIGHT SENSOR
- 3: LOWER SENSOR

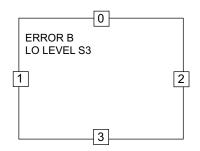
#### • ERROR CODE SCREEN DISPLAY

Error codes in normal (customer) mode are not displayed. You must enter PJE service mode to see the error code.



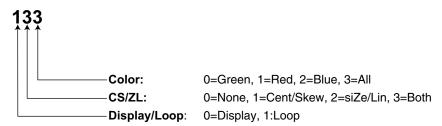
(Blue Sensor 3 Low Output)

In service mode, the error will be displayed in text format.

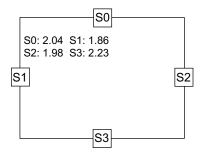


#### 2-16.AUTO REGISTRATION DIAGNOSTICS

The TEST service item (PJE #72) can be used to determine if a sensor or sensor amplifier is working properly. It can also be used to check pattern positions.



| DISPLAY/<br>LOOP | CS/ZL | COLOR | ACTION                                    |
|------------------|-------|-------|---|
| (0)              | 0     | 0     | Normal calibration (no diagnostics).      |
| (0)              | Χ     | Χ     | Performs one adjustment cycle, then       |
|                  |       |       | displays average peak voltages for the    |
|                  |       |       | specified CS/ZL and Color.                |
| (0)              | 3     | 3     | Does nothing (can't display more than one |
|                  |       |       | CS/ZL or Color at a time.)                |
| 1                | Х     | Х     | Adjusts specified CS/ZL and Color         |
|                  |       |       | until a key is pressed. Useful for        |
|                  |       |       | measuring signals with oscilloscope.      |



Sensor 0 peak voltage = 2.04 V, etc.

#### **SECTION 3: SAFETY-RELATED ADJUSTMENTS**

#### **D BOARD**

# 3-1. HV REGULATION CIRCUIT CHECK AND ADJUSTMENT

When replacing the following components marked with a  $\square$  on the schematic diagram always check the HV regulation, and if necessary re-adjust.

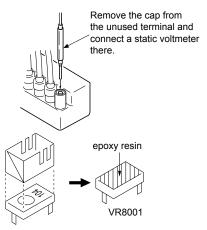
| Part Replaced (☑)   | Adjustment (█)      |
|---|---------------------|
| Part Replaced (□)  A BOARD: C8079, C8083, C8090, C8129, D8013, D8038, D8043, D8051, IC8006, Q8021, R8055, R8099, R8102, R8128, R8129, R8131, R8139, R8140, R8142, R8153, R8163, R8223, R8230, T8004 (LOT), T8005 (FBT), HV Block, D Board | HV REGULATOR VR8001 |
| HV Block, D Board   |                     |

#### **OPERATION CHECK**

- 1. Receive the all white signal.
- 2. Set PIC MAX/BRT CENT.
- Confirm that the voltage between CN8015 ① PIN and GND is less than 7.80VDC.

#### **HV REGULATION ADJUSTMENT**

- 1. Connect a HV static voltmeter to the unconnected plug of the high-voltage block.
- 2. Power on the set.
- 3. Receive the all white signal.
- 4. Set PIC MAX/BRT CENT.
- 5. Confirm that the static voltmeter reading is  $31.0 \pm 0.4$ V. If not, adjust with VR8001 to the specified value.
- 6. After adjustment, put the VR cover on VR8001 (as shown below) and apply sufficient amount of epoxy resin around VR8001.



# 3-2. HV HOLD DOWN CIRCUIT OPERATION CHECK AND ADJUSTMENT

When replacing the following components marked with a  $\square$  on the schematic diagram always check the hold-down voltage and re-adjust when necessary.

| Part Replaced (☑)  | Adjustment (█)         |
|--|------------------------|
| A BOARD: C8054, C8086, C8088, C8100, C8104, C8118, C8123, C8124, C8094 D8019, D8020, D8022, D8028, D8036, FB8001, IC8008, Q8035, Q8043, R8035, R8043, R8159, R8166, R8171, R8196, R8201, T8004 (LOT), T8005 (FBT), HV Block, D Board | HV HOLD DOWN<br>VR8002 |

#### **OPERATION CHECK**

- 1. Receive the dot signal.
- 2. Set PIC MIN/BRT MIN.
- 3. Confirm that the voltage between cathode of D8038 (JW171) and GND is more than 23.0V DC.
- Using an external DC Power supply, apply the voltage shown below between cathode of D8038 (JW171) on "D" and GND, then confirm that the HV-Prot circuit works. (Raster disappears)

Apply DC voltage: Less than 29.05V DC.

#### **HV HOLD-DOWN ADJUSTMENT**

- Connect a HV static voltmeter to the unconnected plug of the high-voltage block.
- 2. Power on the set.
- 3. Connect an external  $10k\Omega$  VR at CN8015 and adjust this VR so that the high voltage is 34.50kV.
- Adjust VR8002 to the point that the HV-Prot circuit works (Raster disappears) at 34.50 ± 0.50kV reading on the static voltmeter.
- After adjustment, put the VR cover on VR8002 and apply sufficient amount of epoxy resin around VR8002 as the same manner for VR8001.

#### **G BOARD**

#### 3-3. +B MAX VOLTAGE CONFIRMATION

The following adjustments should always be performed when replacing IC501, R5032.

- 1. Supply 130VAC to variable autotransformer.
- 2. Receive dot signal pattern and set the PICTURE and BRIGHTNESS settings to their minimum.
- 3. Confirm the voltage of TP +B 135V is less than 137.0Vdc.
- 4. If step 3 is not satisfied, replace IC501 and repeat steps 1-3.

#### 3-4. +B OVP CONFIRMATION

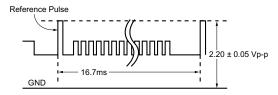
- 1. Add to low voltage power supply between to TP5001 and ground.
- 2. Supply 120VAC to variable autotransformer.
- 3. Power on the Set and receive dot signal pattern.
- 4. Set the PICTURE and BRIGHTNESS settings.
- 5. Check the OVP is activated.

Operate :less than 2.50V

#### **SECTION 4: CIRCUIT ADJUSTMENTS**

#### 4-1. BLUE OFFSET ADJUSTMENT

- Receive the all black (1080i, component) signal with VIDEO 5 input, and set PICTURE to maximum.
- Connect an oscilloscope between CN5 pin (B) on the (A board) and ground.
- 3. Set in the service mode and select the category "2150D-2".
- 4. Adjust "SLIN" so that the waveform level is 2.20 ± 0.05Vpp.
- After completing the adjustments, write the data into memory by pressing "MUTING" → "ENTER" on the remote commander.
- Receive the RF signal and change the wide screen mode to "Wide Zoom". Copy the same data to "SLIN".



# 4-2. P & P SUB CONTRAST ADJUSTMENT (VIDEO) (SCON)

1. Receive the signal.

TV terminal (sub) : Color-bar (white-75%, 7.5% setup)
VIDEO terminal (main) : Color-bar (white-75%, 7.5% setup)

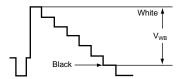
2. VIDEO MODE : Pro
PICTURE : Maximum
COLOR : Minimum

2150P-2 1 RGBS : 2

- 3. Set to P & P mode, and set to service mode.
- 4. Connect an oscilloscope between the check point and ground.

Check points : CN5 pin ® A Board : CN5 pin ®

- 5. Select "2103-1-02" (Main scon), and adjust so that the waveform level of  $V_{WB}$  is 1.55  $\pm$  0.04Vp-p.
- 6. Select "2103-2-02" (Sub scon), and adjust so that the waveform level of  $V_{WB}$  is 1.55  $\pm$  0.04Vp-p.
- After completing the adjustments, write the data into memory by pressing "MUTING" → "ENTER" on the remote commander.



# 4-3. P & P SUB CONTRAST ADJUSTMENT (RF) (SCON)

1. Receive the signal.

TV terminal (sub) : Color-bar (white-75%, 7.5% setup)
VIDEO terminal (main) : Color-bar (white-75%, 7.5% setup)

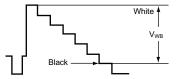
2. VIDEO MODE : Pro
PICTURE : Maximum
COLOR : Minimum

2150P-2 1 RGBS : 2

- 3. Set to P & P mode, and set to service mode.
- 4. Connect an oscilloscope between the check point and ground.

Check points : CN5 © A Board : CN5 ©

- 5. Select "2103-1-02" (Main scon), and adjust so that the waveform level of  $V_{WB}$  is 1.55  $\pm$  0.04Vp-p.
- 6. Select "2103-2-02" (Sub scon), and adjust so that the waveform level of  $V_{WB}$  is 1.55  $\pm$  0.04Vp-p.
- 7. After completing the adjustments, write the data into memory by pressing "MUTING" → "ENTER" on the remote commander.



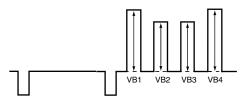
# 4-4. P & P SUB-HUE AND SUB-COLOR ADJUSTMENT (VIDEO) (SHUE, SCOL)

1. Receive the signal.

TV terminal (sub) : Color-bar (white-75%, 7.5% setup)
VIDEO terminal (main) : Color-bar (white-75%, 7.5% setup)

2. VIDEO MODE : Pro
PICTURE : Maximum
COLOR : Center
2150P-2 1 RGBS : 7

- 3. Set to P & P mode, and set to service mode.
- 4. Connect an oscilloscope between pin ⑦ of CN5 (A board) connector and ground.
- Select "2103-1-03 SCOL, -04 SHUE" (Main), and adjust them to have VB1 ≤ VB4 and VB2 ≤ VB3 in the waveform levels.
- Select "2103-2-03 SCOL, -04 SHUE" (Sub), and adjust them to have VB1 ≤ VB4 and VB2 ≤ VB3 in the waveform levels.
- After completing the adjustments, write the data into memory by pressing "MUTING" → "ENTER" on the remote commander.



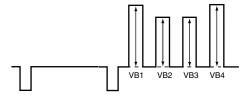
# 4-5. P & P SUB-HUE AND SUB-COLOR ADJUSTMENT (RF) (SHUE, SCOL)

1. Receive the signal.

TV terminal (main) : Color-bar (white-75%, 7.5% setup)
VIDEO terminal (sub) : Color-bar (white-75%, 7.5% setup)

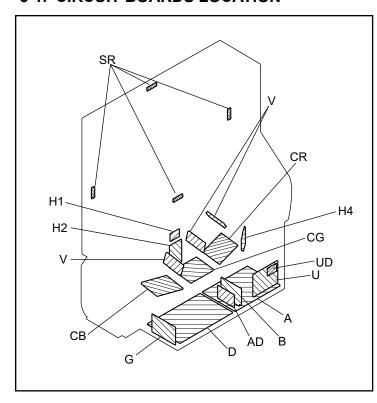
2. VIDEO MODE : Pro
PICTURE : Maximum
COLOR : Center
2150P-2 1 RGBS : 7

- 3. Set to P & P mode, and set to service mode.
- 4. Connect an oscilloscope between pin ⑦ of CN5 (A board) connector and ground.
- 5. Select "2103-1-03 SCOL, -04 SHUE" (Main), and adjust them to have VB1  $\leq$  VB4 and VB2  $\leq$  VB3 in the waveform levels.
- 6. Select "2103-2-03 SCOL, -04 SHUE" (Sub), and adjust them to have VB1  $\leq$  VB4 and VB2  $\leq$  VB3 in the waveform levels.
- 7. After completing the adjustments, write the data into memory by pressing "MUTING" → "ENTER" on the remote commander.



#### **SECTION 5: DIAGRAMS**

#### 5-1. CIRCUIT BOARDS LOCATION



# 5-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS INFORMATION

All capacitors are in  $\mu F$  unless otherwise noted. pF :  $\mu \mu F$  50WV or less are not indicated except for electrolytics and tantalums.

All electrolytics are in 50V unless otherwise specified.

All resistors are in ohms. K=1000, M=1000k

Indication of resistance, which does not have one for rating electrical  $% \left( 1\right) =\left( 1\right) \left( 1\right) \left($ 

power, is as follows: Pitch: 5mm

Rating electrical power: 1/4 W

<sup>1</sup>/<sub>4</sub> W in resistance, <sup>1</sup>/<sub>10</sub> W and <sup>1</sup>/<sub>8</sub> W in chip resistance.

: nonflammable resistor.

: fusible resistor.

Δ : internal component.

: panel designation and adjustment for repair.

上: earth ground

++ : earth-chassis

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

Readings are taken with a NTSC color-bar signal input.

Readings are taken with a 10M digital multimeter.

Voltages are DC with respect to ground unless otherwise noted.

Voltage variations may be noted due to normal production tolerances.

All voltages are in V.

S: Measurement impossibility.

: B+ line

: B-line. (Actual measured value may be different).

: signal path. (RF)

Circled numbers are waveform references.

The components identified by  $\blacksquare$  in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be necessary, replace only with the value originally used.

When replacing components identified by , make the necessary adjustments as indicated. If the results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved.

(Refer to adjustments in Sections 3-1 and 3-2.)

When replacing the parts listed in the table below, it is important to perform the related adjustments.

| Part Replaced (☑)  | Adjustment (█)         |  |
|--|------------------------|--|
| A BOARD: C8079, C8083, C8090, C8129, D8013, D8038, D8043, D8051, IC8006, Q8021, R8055, R8099, R8102, R8128, R8129, R8131, R8139, R8140, R8142, R8153, R8163, R8223, R8230, T8004 (LOT), T8005 (FBT), HV Block, D Board               | HV REGULATOR<br>VR8001 |  |
| A BOARD: C8054, C8086, C8088, C8100, C8104, C8118, C8123, C8124, C8094 D8019, D8020, D8022, D8028, D8036, FB8001, IC8008, Q8035, Q8043, R8035, R8043, R8159, R8166, R8171, R8196, R8201, T8004 (LOT), T8005 (FBT), HV Block, D Board | HV HOLD DOWN<br>VR8002 |  |

#### REFERENCE INFORMATION

RESISTOR : RN METAL FILM

: RC SOLID

: FPRD NONFLAMMABLE CARBON
: FUSE NONFLAMMABLE FUSIBLE
: RW NONFLAMMABLE WIREWOUND
: RS NONFLAMMABLE METAL OXIDE
: RB NONFLAMMABLE CEMENT
: X ADJUSTMENT RESISTOR

COIL : LF-8L MICRO INDUCTOR

CAPACITOR: TA TANTALUM

: PS STYROL

: PP POLYPROPYLENE

: PT MYLAR

: MPS METALIZED POLYESTER : MPP METALIZED POLYPROPYLENE

: ALB BIPOLAR

: ALT HIGH TEMPERATURE

: ALR HIGH RIPPLE

NOTE: The components identified by shading and  $\triangle$  mark are critical for safety. Replace only with part number specified.

The symbol indicates a fast operating fuse and is displayed on the component side of the board. Replace only with fuse of the same rating as marked.

NOTE: Les composants identifies per un trame et une marque  $\triangle$  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

Le symbole  $\blacksquare$  indique une fusible a action rapide. Doit etre remplace par une fusible de meme yaleur, comme maque.

# Terminal name of semiconductors in silk screen printed circuit ( \* )

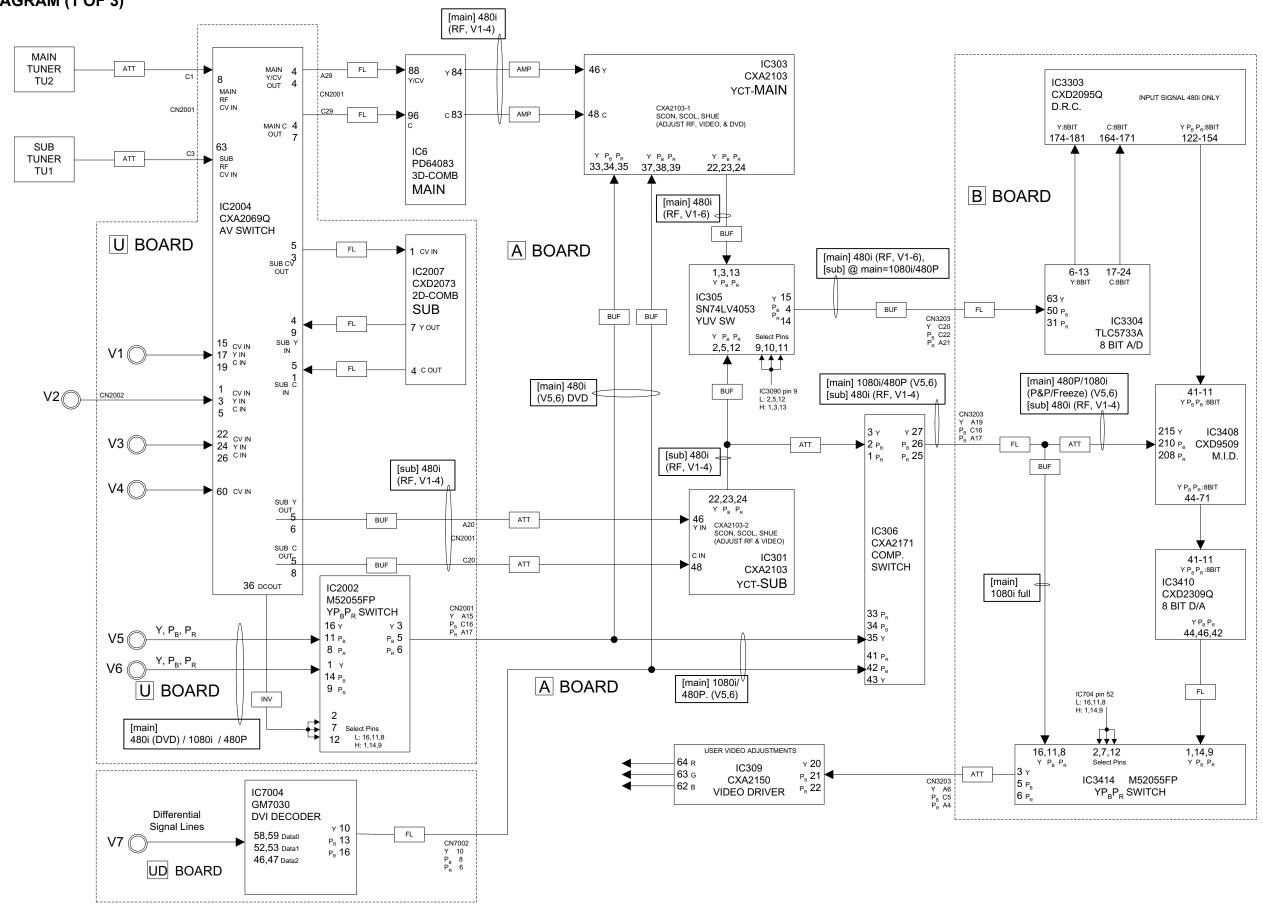
| $\exists$ | Device              | Printed symbol | Terminal name                     | Circuit                    |
|-----------|---------------------|----------------|-----------------------------------|----------------------------|
| 1         | Transistor          |                | Collector<br>Base Emitter         |                            |
| 2         | Transistor          |                | Collector  Base Emitter           |                            |
| 3         | Diode               |                | Cathode Anode                     | <u></u>                    |
| 4         | Diode               |                | Cathode<br>Anode (NC)             | <u>\$</u>                  |
| (5)       | Diode               |                | Cathode  Anode (NC)               | J.,                        |
| 6         | Diode               |                | Common<br>Anode Cathode           | , °, .                     |
| 7         | Diode               |                | Common  Anode Cathode             | L <mark>≯I → ≯</mark> J    |
| 8         | Diode               |                | Common Anode Anode                | , Ŷ.,                      |
| 9         | Diode               |                | Common  Anode Anode               | [ <b>▶+  </b> ♣]           |
| 10        | Diode               |                | Common Cathode Cathode            |                            |
| 11)       | Diode               |                | Common  Cathode Cathode           |                            |
| 12        | Diode               |                | Anode Cathode Anode Cathode Anode |                            |
| 13        | Transistor<br>(FET) |                | Drain Source<br>Gate              |                            |
| 14)       | Transistor<br>(FET) | þ              | Drain Source Gate                 | so so                      |
| (15)      | Transistor<br>(FET) |                | □ Source □ Drain □ Gate           |                            |
| 16        | Transistor          |                | ☐ Emitter☐ Collector☐ Base        |                            |
| 17)       | Transistor          | ++             | C2 B1 E1<br>E2 B2 C1              | B10 0C2<br>B10 0E2         |
| 18)       | Transistor          | ++             | C1 B2 E2<br>E1 B1 C2              | C10 QC2<br>B10-11 OB2      |
| 19        | Transistor          |                | C1 B2 E2<br>E1 B1 C2              | E10 OE2                    |
| 20)       | Transistor          |                | C1 B2 E2<br>E1 B1 C2              | B10 0 0 E2<br>C10 0 C2     |
| 21)       | Transistor          |                | E2 B1 E1<br>C2 C1(B2)             | C1(B2)Q QC2<br>B1Q E2Q QE2 |
| 22        | Transistor          |                | (B2)<br>B1 E1 E2<br>C1 C2         | B10 C10 OC2                |
| 23        | Transistor          |                | E2 E1 B1<br>C2 C1                 | B10-C10 OC2                |
| -         | Discrete ser        | miconductor    |                                   |                            |

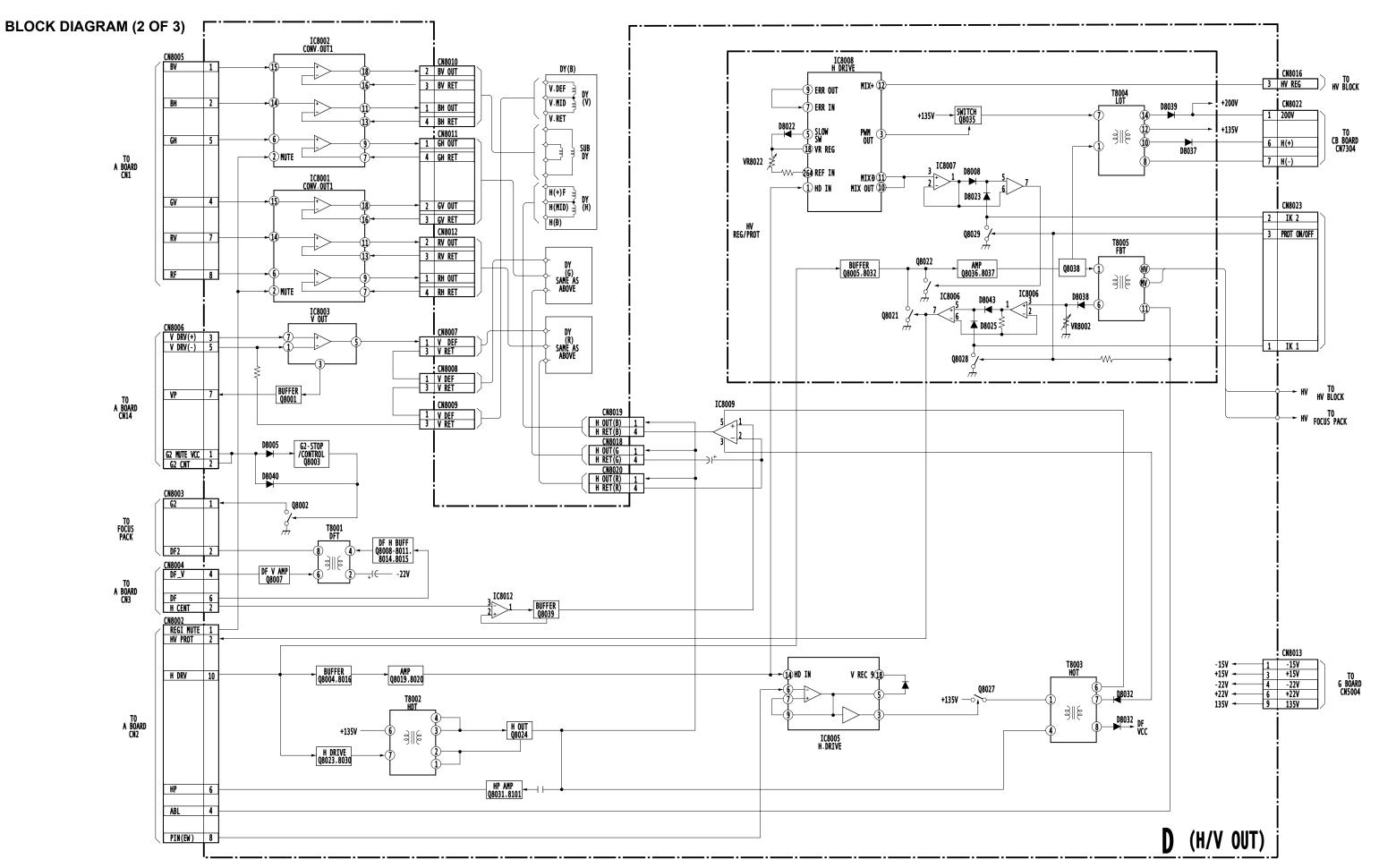
(Chip semiconductors that are not actually used are included.)

Ver.1

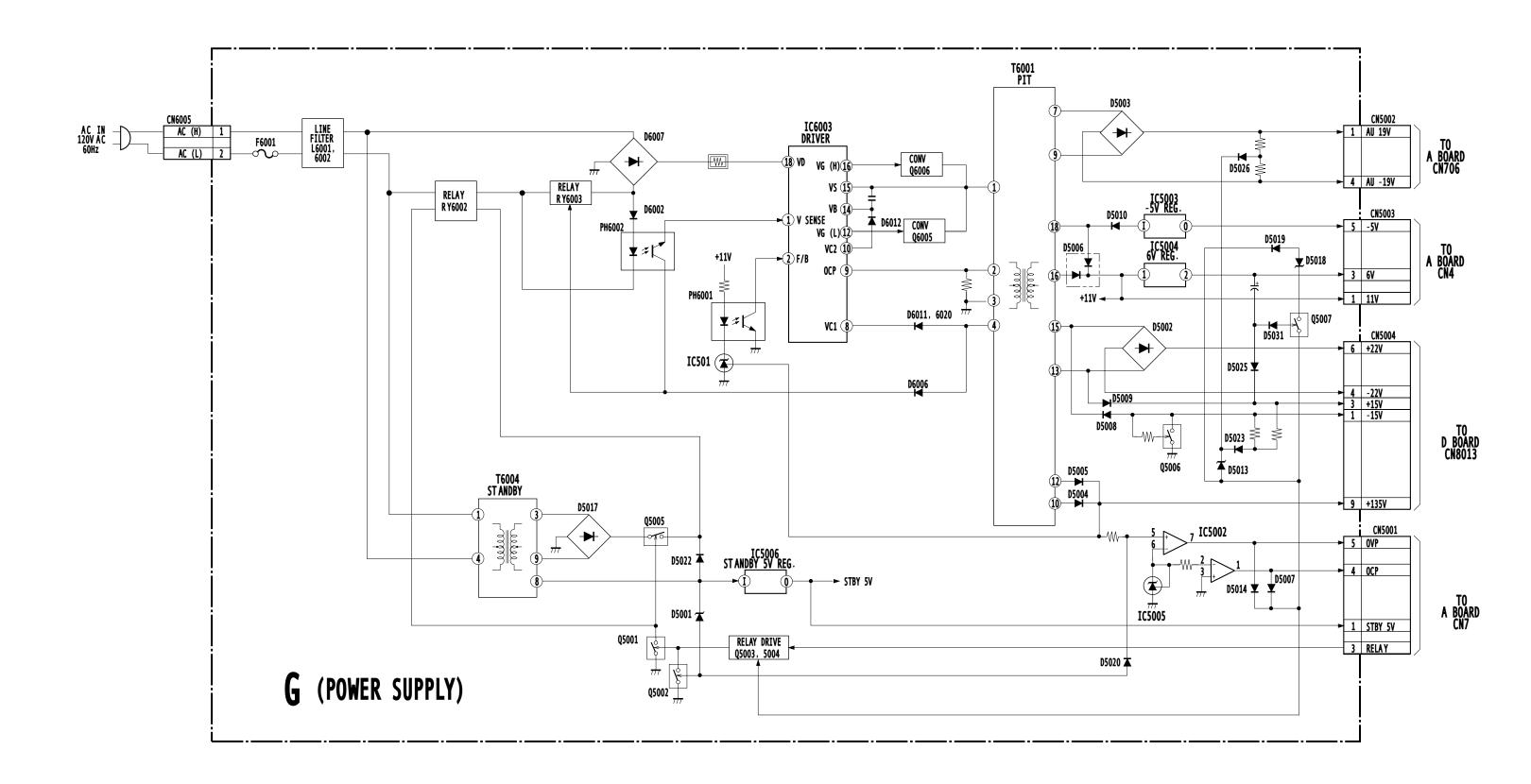
#### 5-3. BLOCK DIAGRAMS

## **BLOCK DIAGRAM (1 OF 3)**



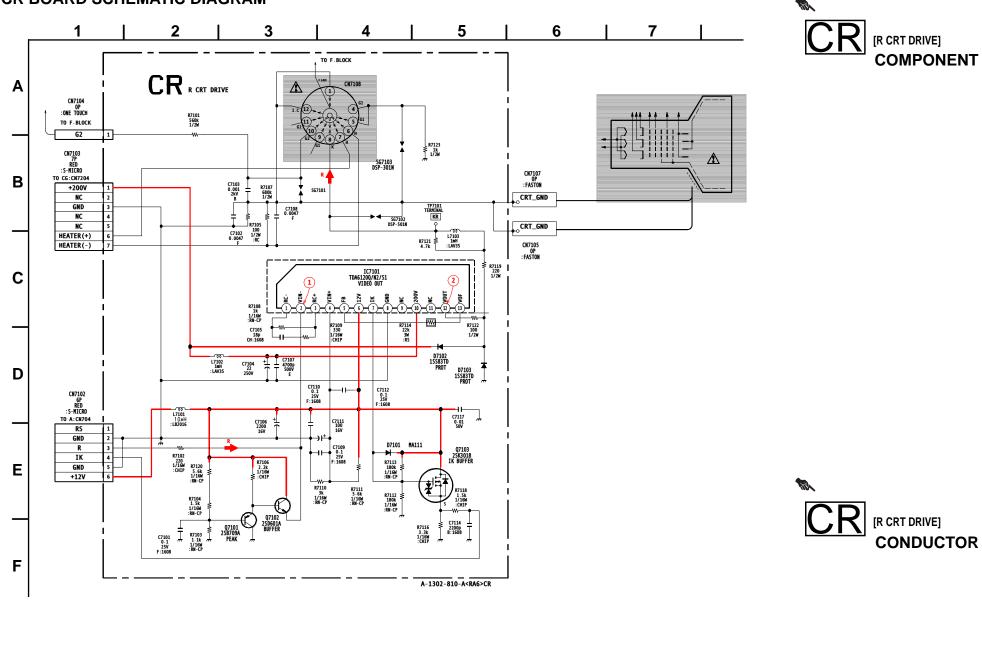


# **BLOCK DIAGRAM (3 OF 3)**

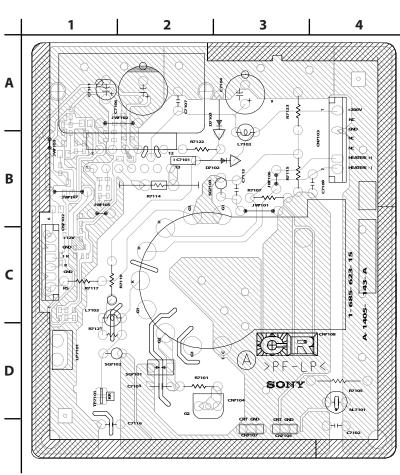


#### 5-4. SCHEMATICS AND SUPPORTING INFORMATION

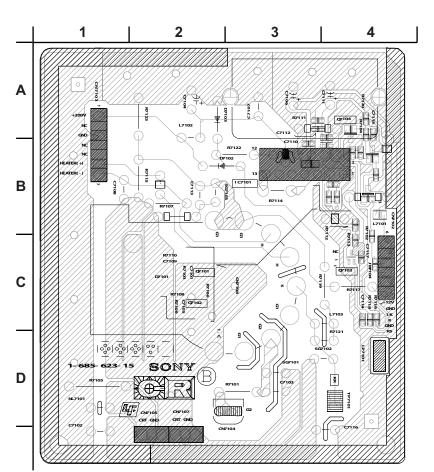
#### CR BOARD SCHEMATIC DIAGRAM



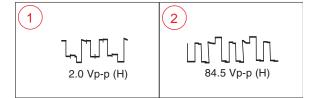








#### **CR BOARD WAVEFORMS**



## **CR BOARD IC VOLTAGE LIST**

| 107404 |                             |     |       |  |  |  |
|--------|-----------------------------|-----|-------|--|--|--|
| IC7101 |                             |     |       |  |  |  |
| PIN    | VOLT                        | PIN | VOLT  |  |  |  |
| 1      | 2.0                         | 8   | GND   |  |  |  |
| 2      | 2.7                         | 9   | N/C   |  |  |  |
| 3      | 3.4                         | 10  | 200.0 |  |  |  |
| 4      | 4.1                         | 11  | N/C   |  |  |  |
| 5      | 2.6                         | 12  | 157.7 |  |  |  |
| 6      | 12.0                        | 13  | 158.2 |  |  |  |
| 7      | 7 7.0 All voltages are in V |     |       |  |  |  |

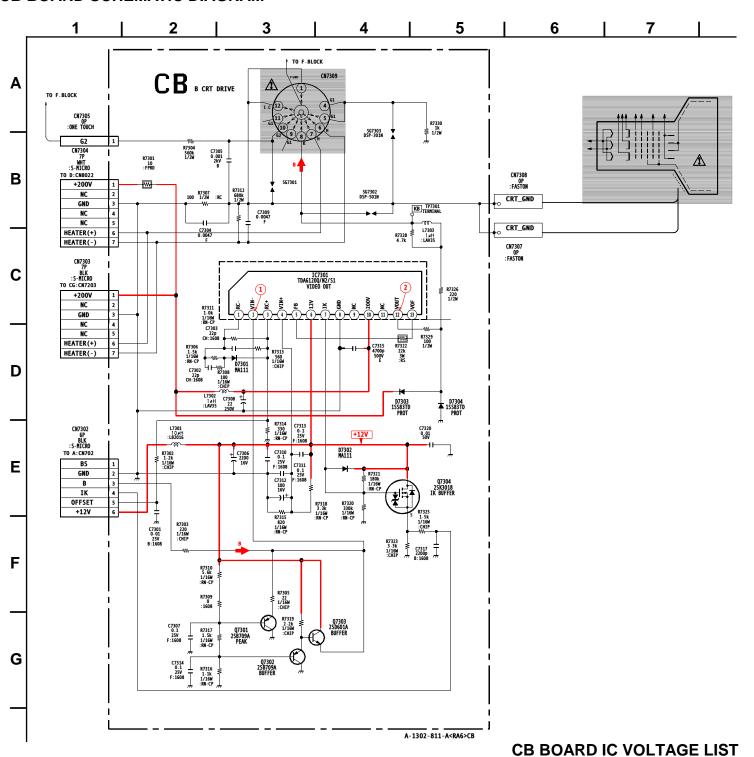
**CR BOARD TRANSISTOR LIST** 

|       | В   | С    | E   |
|-------|-----|------|-----|
| Q7101 | 1.7 | GND  | 2.3 |
| Q7102 | 2.3 | 12.0 | 2.7 |
|       |     |      |     |

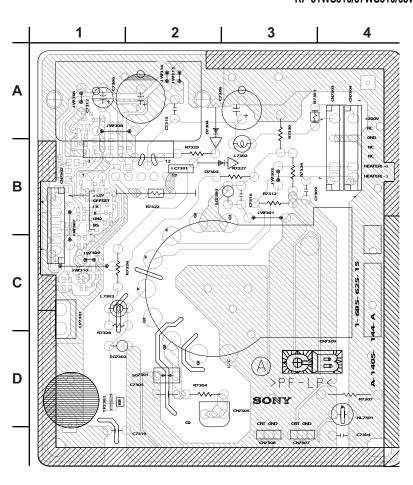
|       | G   | D    | S   |
|-------|-----|------|-----|
| Q7103 | 7.0 | 12.0 | 5.7 |

All voltages are in V.

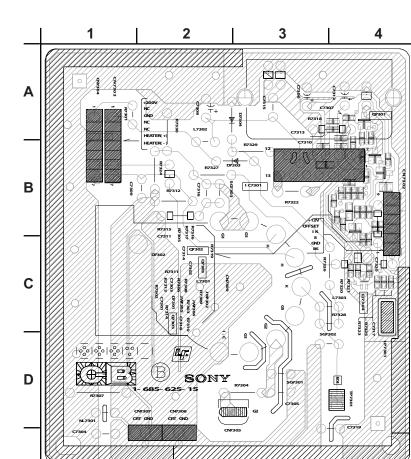
#### **CB BOARD SCHEMATIC DIAGRAM**











# CB BOARD ICT

| 1            | 2             |
|--------------|---------------|
| 7 JWW7J      | ւլտուլ        |
| 1.9 Vp-p (H) | 94.0 Vp-p (H) |

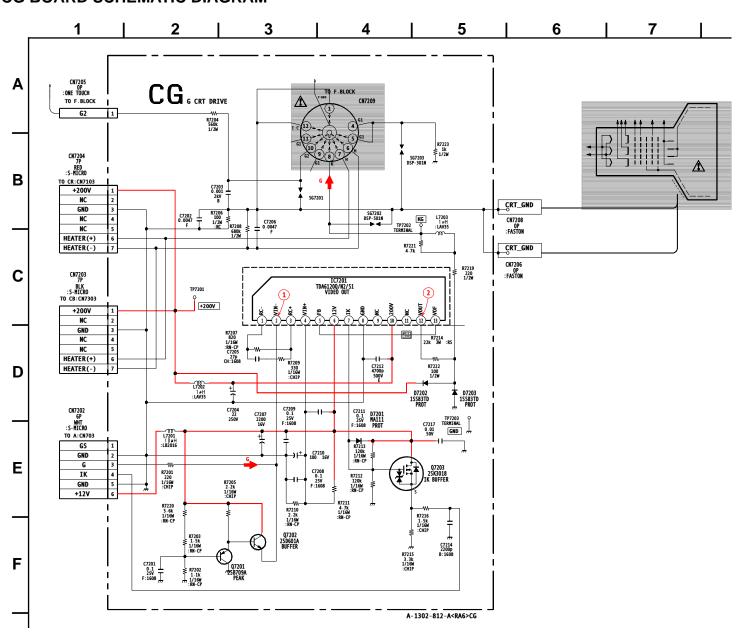
| IC7301 |                              |     |       |  |
|--------|------------------------------|-----|-------|--|
| PIN    | VOLT                         | PIN | VOLT  |  |
| 1      | 2.1                          | 8   | GND   |  |
| 2      | 2.9                          | 9   | N/C   |  |
| 3      | 1.6                          | 10  | 200.0 |  |
| 4      | 2.9                          | 11  | N/C   |  |
| 5      | 2.5                          | 12  | 161.8 |  |
| 6      | 12.0                         | 13  | 144.5 |  |
| 7      | 7 7.3 All voltages are in V. |     |       |  |

#### **CB BOARD TRANSISTOR LIST**

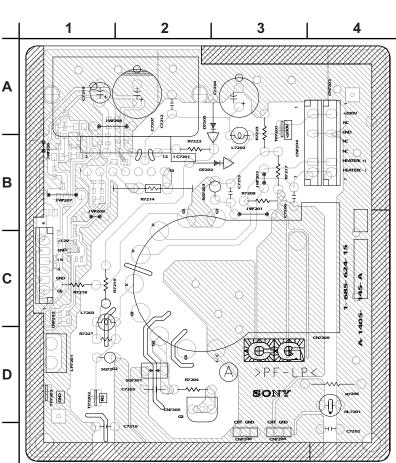
|       | В   | С    | E   |
|-------|-----|------|-----|
| Q7301 | 3.9 | GND  | 3.0 |
| Q7302 | 1.7 | GND  | 2.4 |
| Q7303 | 2.4 | 12.0 | 2.9 |
|       |     |      |     |

|       | G   | D    | S   |
|-------|-----|------|-----|
| Q7304 | 7.3 | 12.0 | 6.0 |

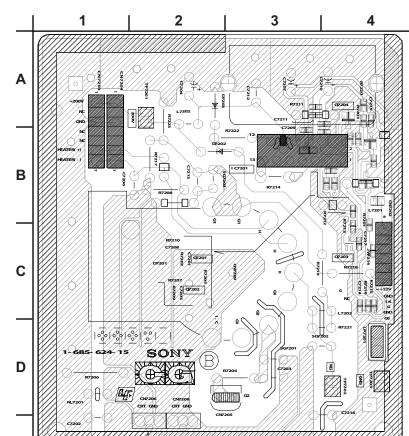
# **CG BOARD SCHEMATIC DIAGRAM**



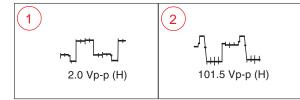








#### **CG BOARD WAVEFORMS**



## **CG BOARD IC VOLTAGE LIST**

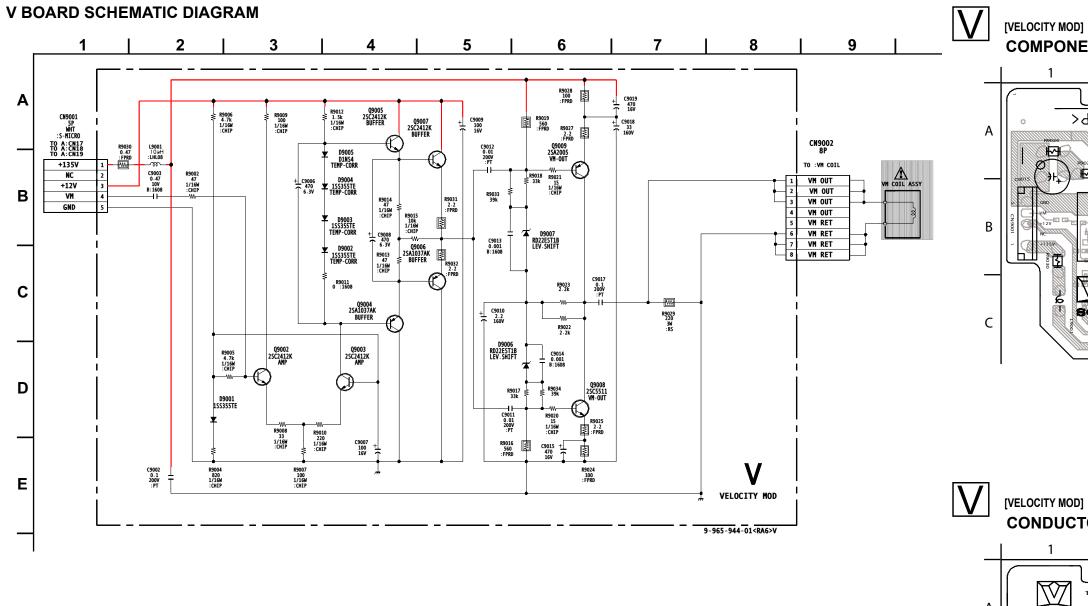
| IC7201 |      |                        |       |  |  |  |  |  |  |  |  |
|--------|------|------------------------|-------|--|--|--|--|--|--|--|--|
| PIN    | VOLT | PIN                    | VOLT  |  |  |  |  |  |  |  |  |
| 1      | 1.9  | 8                      | GND   |  |  |  |  |  |  |  |  |
| 2      | 2.6  | 9 N/C                  |       |  |  |  |  |  |  |  |  |
| 3      | 3.1  | 10                     | 200.0 |  |  |  |  |  |  |  |  |
| 4      | 3.8  | 11                     | N/C   |  |  |  |  |  |  |  |  |
| 5      | 2.5  | 12                     | 155.1 |  |  |  |  |  |  |  |  |
| 6      | 12.0 | 13 159.2               |       |  |  |  |  |  |  |  |  |
| 7      | 7.6  | All voltages are in V. |       |  |  |  |  |  |  |  |  |

**CG BOARD TRANSISTOR LIST** 

|       | В   | С    | E   |
|-------|-----|------|-----|
| Q7201 | 1.7 | GND  | 2.3 |
| Q7202 | 2.3 | 12.0 | 2.6 |
|       |     |      |     |

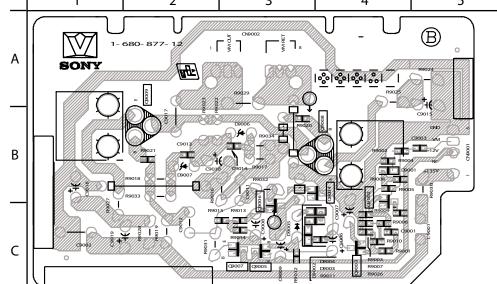
|       | G   | D    | S   |
|-------|-----|------|-----|
| Q7203 | 7.6 | 12.0 | 6.3 |

All voltages are in V.



# **COMPONENT SIDE** >41-91<

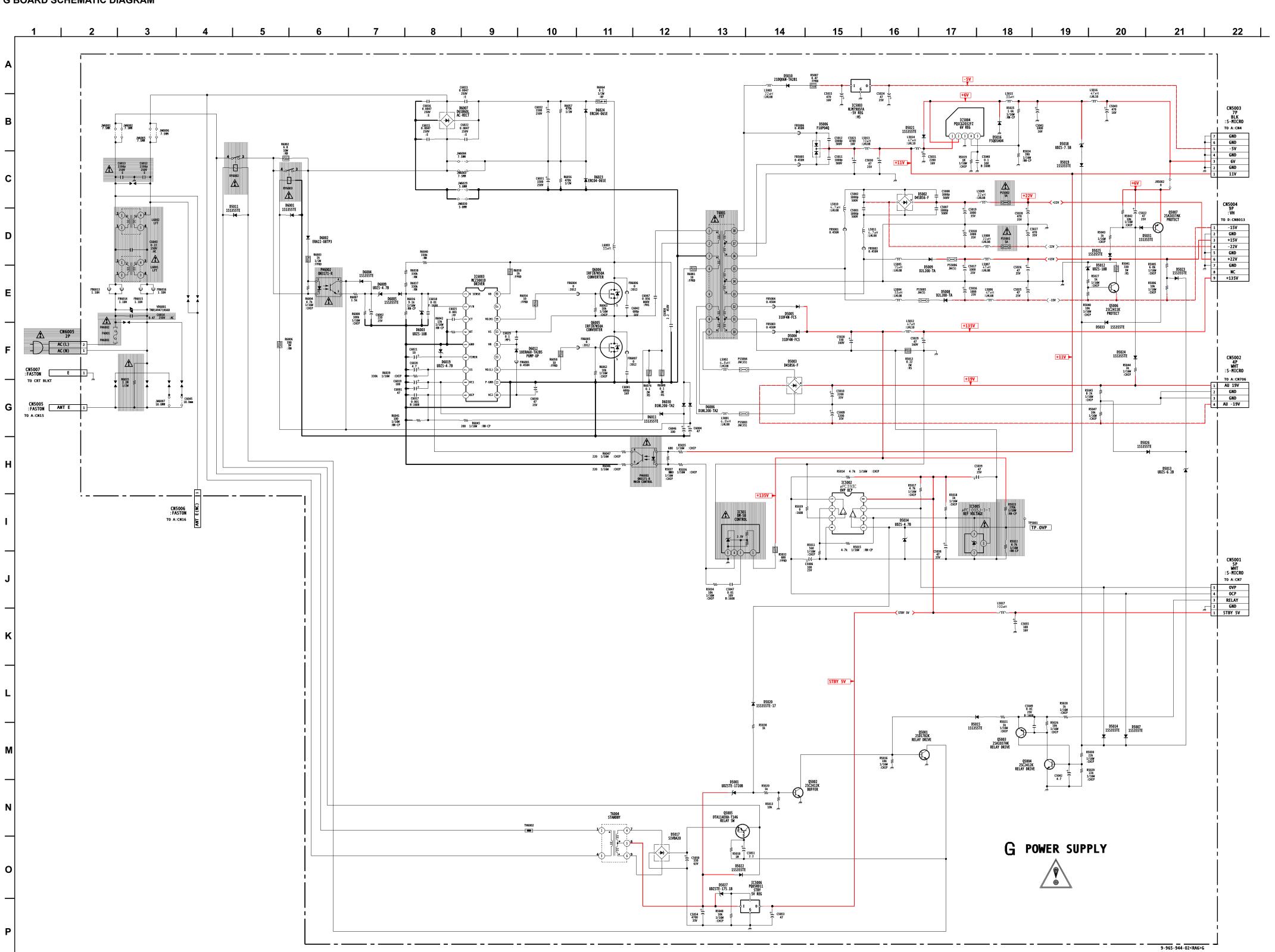
# [VELOCITY MOD] **CONDUCTOR SIDE**



## **V BOARD TRANSISTOR LIST**

|       | В     | С    | E     |
|-------|-------|------|-------|
| Q9002 | 3.3   | 11.9 | 2.7   |
| Q9003 | 3.3   | 6.6  | 2.7   |
| Q9004 | 6.6   | 7.2  | GND   |
| Q9005 | 9.0   | 12.0 | 8.4   |
| Q9006 | 7.2   | GND  | 7.8   |
| Q9007 | 8.4   | 12.0 | 7.8   |
| Q9008 | 1.4   | 68.0 | 8.0   |
| Q9009 | 134.3 | 68.0 | 134.9 |

All voltages are in V.



#### G BOARD IC VOLTAGE LIST

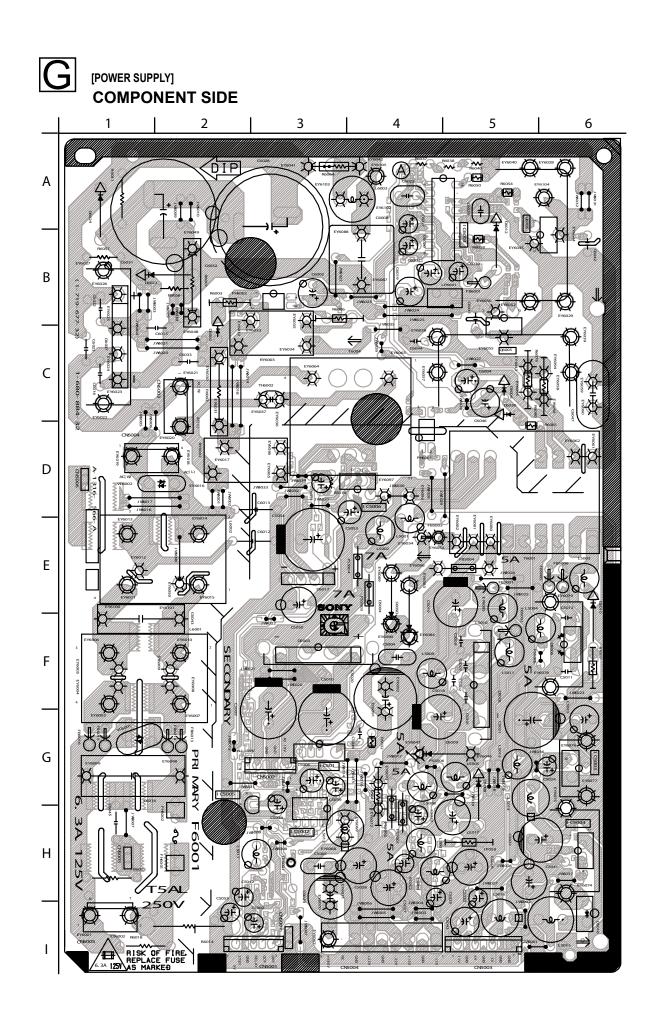
| IC  | 501   | IC5 | 004  | IC6       | 003            |  |  |  |  |  |
|-----|-------|-----|------|-----------|----------------|--|--|--|--|--|
| PIN | VOLT  | PIN | VOLT | PIN       | VOLT           |  |  |  |  |  |
| 1   | 134.4 | 1   | 10.4 | 1         | 2.8            |  |  |  |  |  |
| 3   | 2.5   | 2   | 6.5  | 2         | 1.9            |  |  |  |  |  |
| 4   | 7.3   | 3   | GND  | 3         | 2.2            |  |  |  |  |  |
| 5   | GND   | 4   | 1.2  | 4         | 1.5            |  |  |  |  |  |
| IC5 | 002   | 5   | 6.7  | 5         | GND            |  |  |  |  |  |
| PIN | VOLT  | IC5 | 005  | 6         | 0.0            |  |  |  |  |  |
| 1   | -0.1  | PIN | VOLT | 7         | 4.6            |  |  |  |  |  |
| 2   | 0.1   | 1   | 2.3  | 8         | 20.1           |  |  |  |  |  |
| 3   | 0.0   | 2   | 0.0  | 9         | 0.0            |  |  |  |  |  |
| 4   | -0.1  | 3   | 2.3  | 10        | 10.5           |  |  |  |  |  |
| 5   | 2.2   | IC5 | 006  | 11        | GND            |  |  |  |  |  |
| 6   | 2.3   | PIN | VOLT | 12        | 4.9            |  |  |  |  |  |
| 7   | -0.1  | I   | 9.8  | 13        | N/C            |  |  |  |  |  |
| 8   | 5.0   | 0   | 5.0  | 14        | 155.6          |  |  |  |  |  |
| IC5 | 003   | G   | GND  | 15        | 145.6          |  |  |  |  |  |
| PIN | VOLT  |     |      | 16        | 150.6          |  |  |  |  |  |
| ı   | -9.0  |     |      | 17        | N/C            |  |  |  |  |  |
| 0   | -5.0  |     |      | 18        | 304.5          |  |  |  |  |  |
| G   | GND   |     | •    | All volta | iges are in V. |  |  |  |  |  |

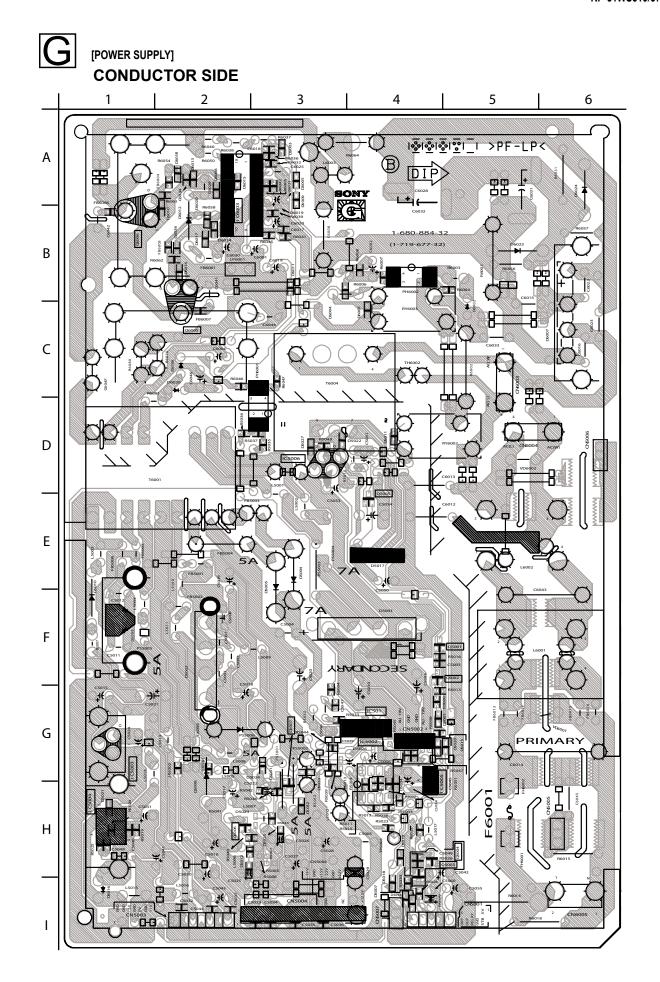
# **G BOARD TRANSISTOR LIST**

|       | В     | С   | E     |
|-------|-------|-----|-------|
| Q5001 | 0.7   | 0   | GND   |
| Q5002 | 0.0   | 0.7 | GND   |
| Q5003 | 3.0   | 0.0 | 3.0   |
| Q5004 | 0.0   | 3.0 | GND   |
| Q5005 | 22.3  | 9.1 | 22.8  |
| Q5006 | -15.0 | 0.0 | -15.0 |
| Q5007 | 6.2   | 0.1 | 6.2   |

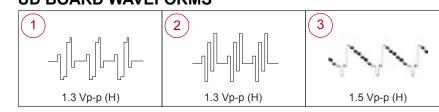
|       | ט     | 5     | 7   |
|-------|-------|-------|-----|
| Q6005 | 156.0 | 4.9   | 0.0 |
| Q6006 | 302.5 | 160.0 | 156 |
|       |       |       |     |

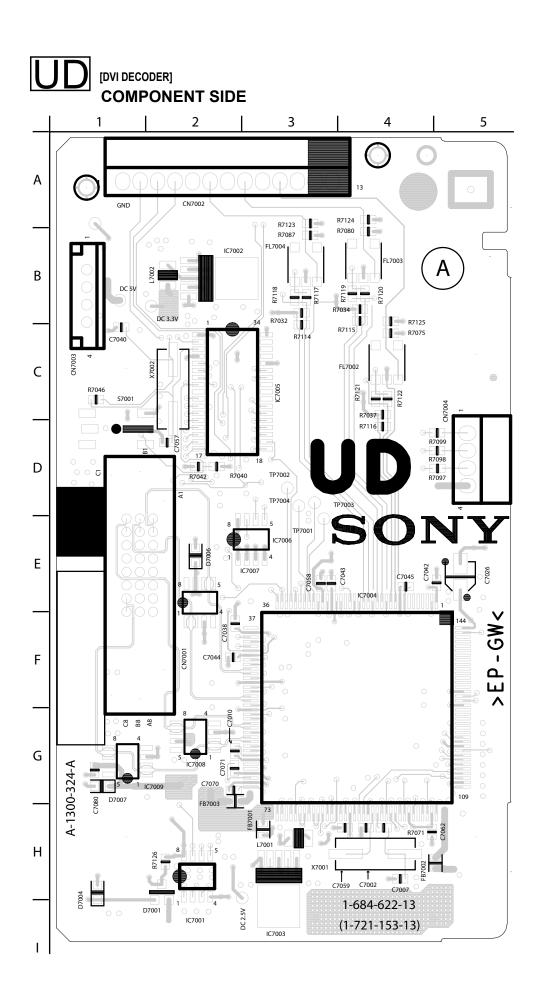
All voltages are

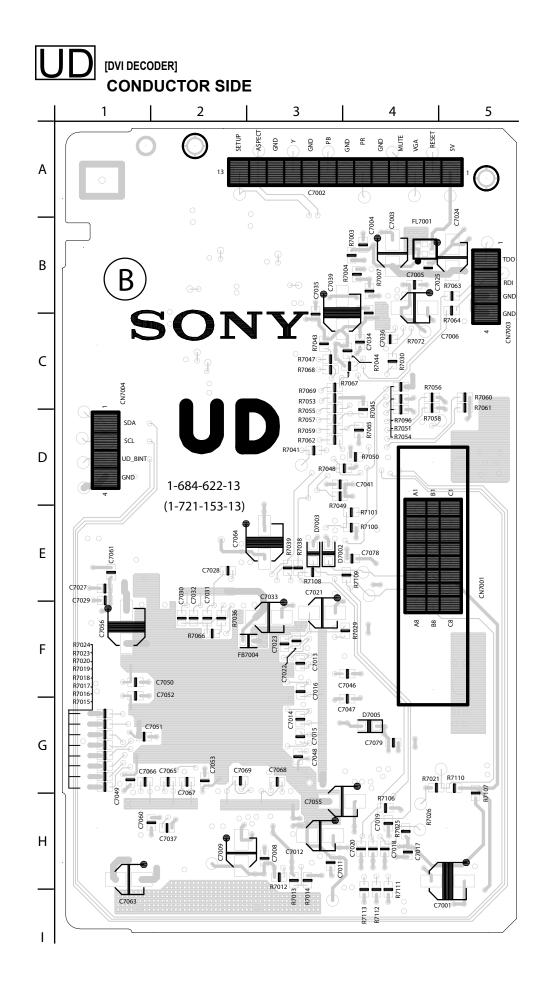


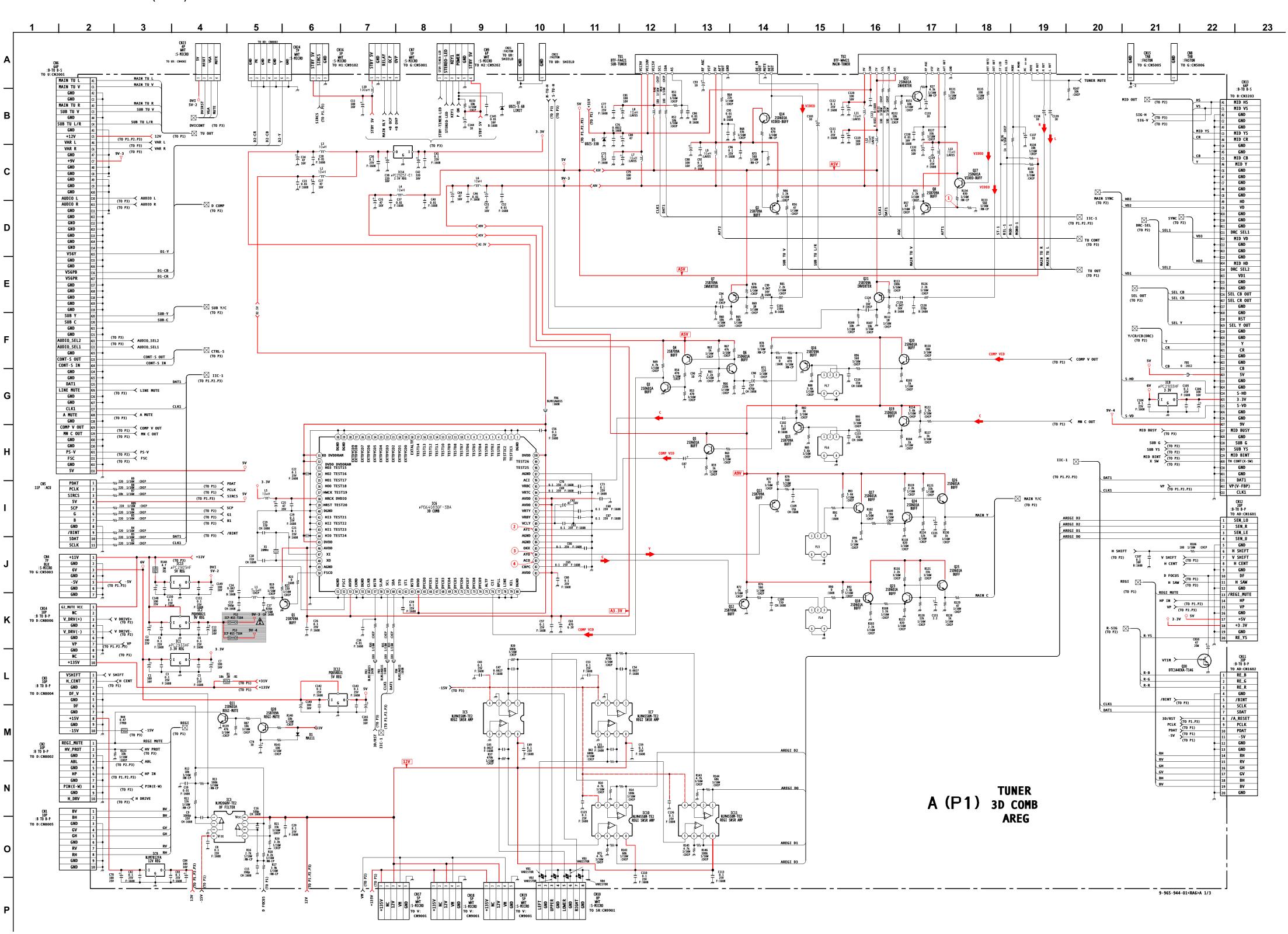


## **UD BOARD WAVEFORMS**



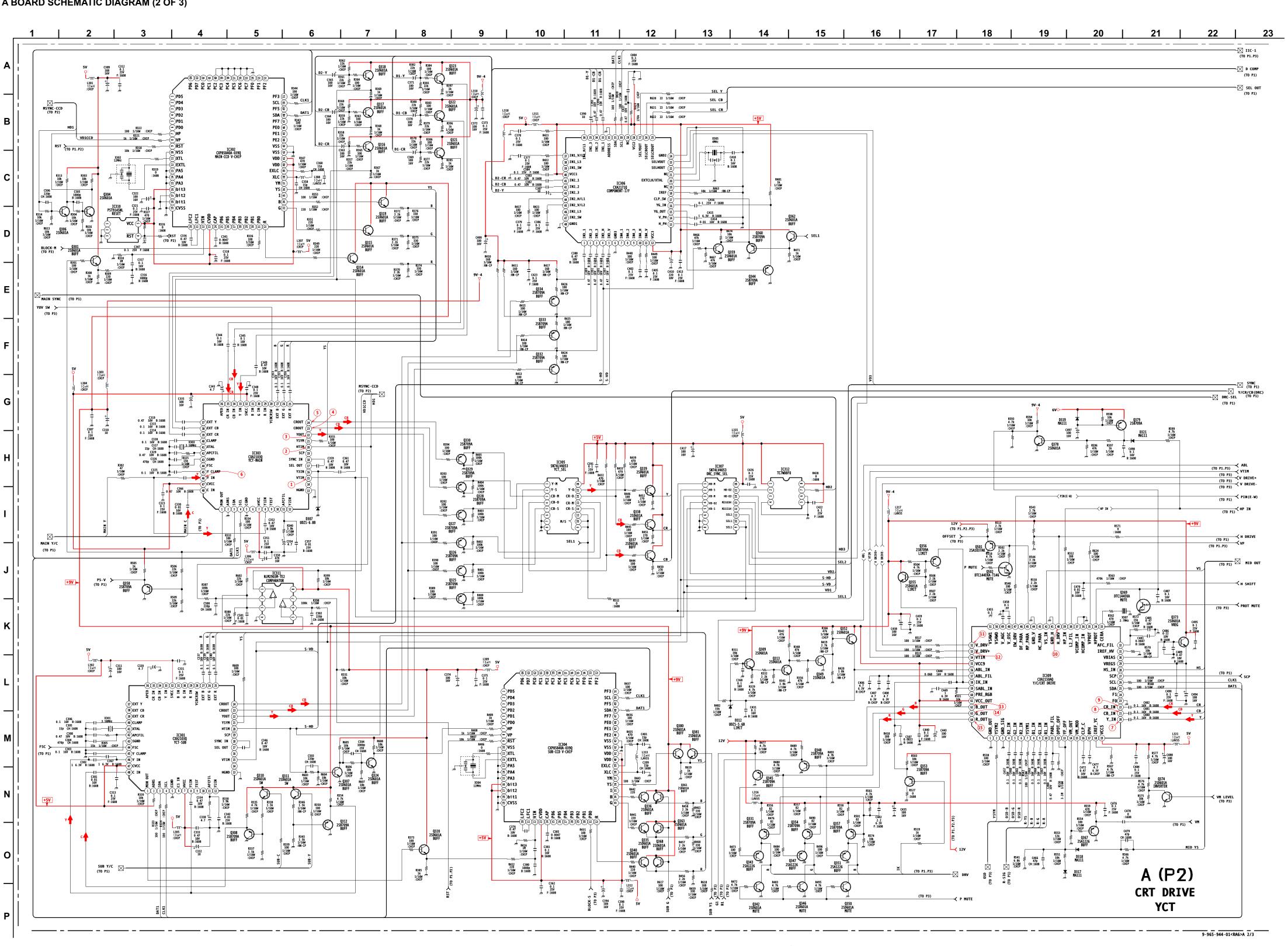




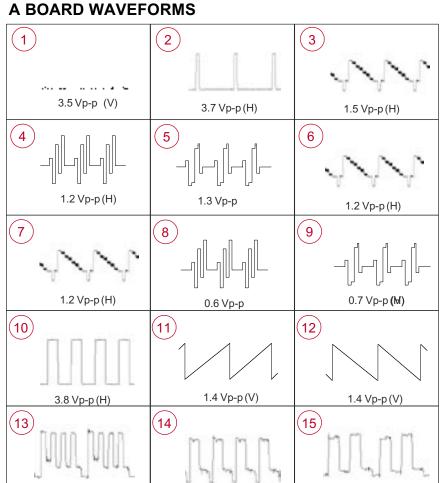


# A BOARD WAVEFORMS

| 1  | 2  |
|--|--|
|  | -\rho^{\infty}_\rho^{\infty}_            |
| 2.1Vp-p (H)  | 2.1Vp-p (H)                              |
| 3  | 4  |
| Proposition of the same of the | -3-E-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 |
| 3√p-p (H)  | 2Vp-p (H)                                |

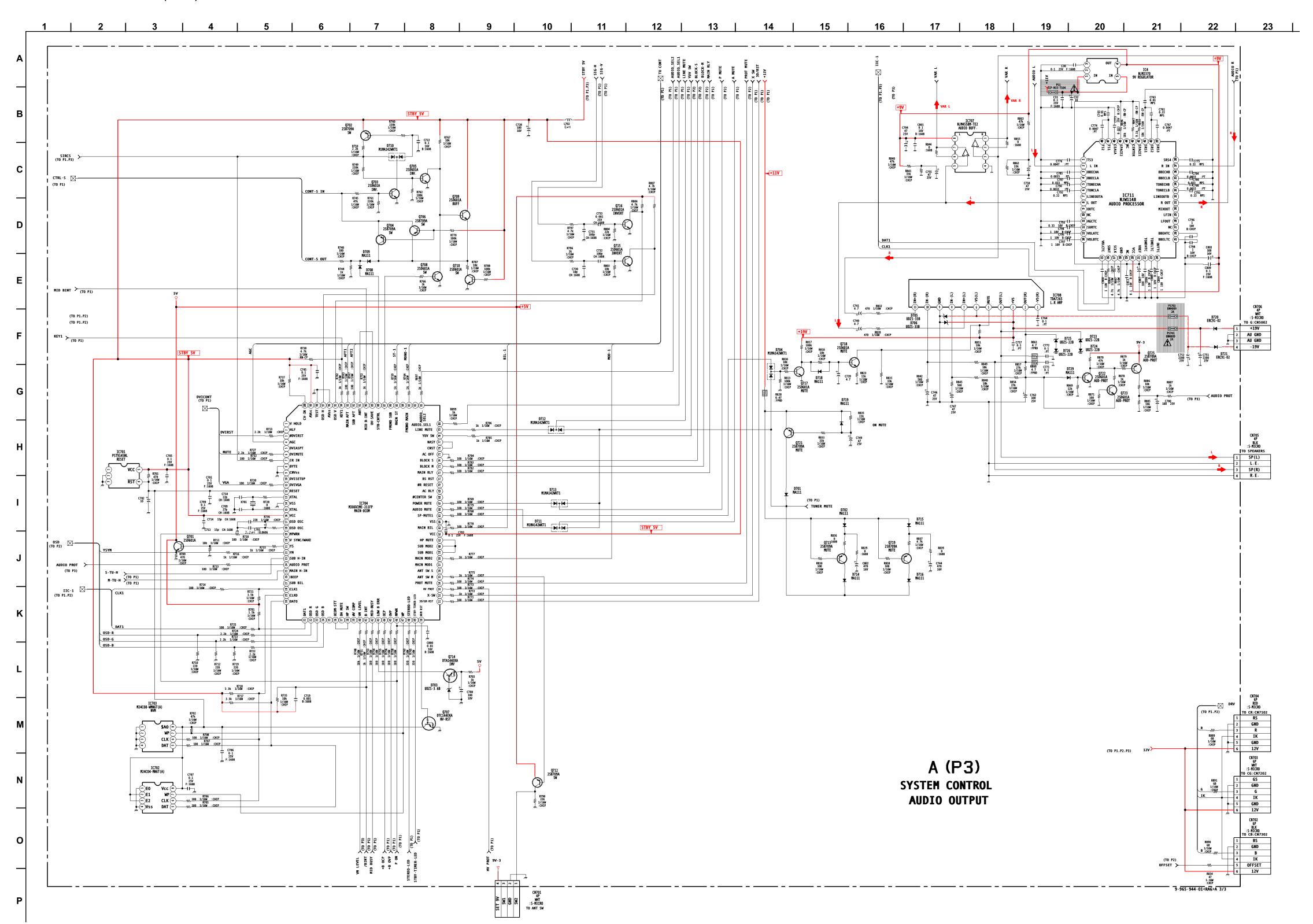


3.3 Vp-p (H)



3.5 Vp-p (H)

2.3 Vp-p (H)



## A BOARD IC VOLTAGE LIST

| IC       | :1         | 21       | NC         | 81  | 3.3      | IC       | 12        | IC:      | 302      | IC:      | 303       | 11       | 2.5       | 11  | 4.9        | 9        | 4.9      | 57     | 5           | IC       | 704        | 65       | 0          | IC7       | 711            |
|----------|------------|----------|------------|-----|----------|----------|-----------|----------|----------|----------|-----------|----------|-----------|-----|------------|----------|----------|--------|-------------|----------|------------|----------|------------|-----------|----------------|
| PIN      | VOLT       | 22       | NC         | 82  | 1        | PIN      | VOLT      | PIN      | VOLT     | PIN      | VOLT      | 12       | 2.1       | 12  | 0          | 10       | 4.9      | 58     | 3.9         | PIN      | VOLT       | 66       | NC         | PIN       | VOLT           |
| I        | 6          | 23       | NC         | 83  | 1.6      | I        | 6         | 1        | NC       | 1        | 1.8       | 13       | GND       | 13  | 2.8        | 11       | 0        | 59     | 1.7         | 1        | NC         | 67       | 0          | 1         | 4.3            |
| 0        | 3.3        | 24       | NC         | 84  | 1.7      | 0        | 5         | 2        | NC       | 2        | GND       | 14       | GND       | 14  | 2.9        | 12       | 0.4      | 60     | 1.7         | 2        | NC         | 68       | NC         | 2         | 4.3            |
| GND      | GND        | 25       | NC         | 85  | 1        | GND      | GND       | 3        | NC       | 3        | 4.4       | 15       | GND       | 15  | 2.6        | 13       | 0.5      | 61     | 9           | 3        | 0          | 69       | NC         | 3         | 0.0            |
| IC       | 2          | 26       | NC         | 86  | 0        | 4        | 6         | 4        | NC       | 4        | 4.4       | 16       | 5         | 16  | 5          | 14       | 0.4      | 62     | 2.7         | 4        | 0          | 70       | NC         | 4         | 4.3            |
| PIN      | VOLT       | 27       | NC         | 87  | 0        | IC       | C13       | 5        | NC       | 5        | GND       | 17       | 5         | IC: | 306        | 15       | 0.5      | 63     | 2.9         | 5        | NC         | 71       | NC         | 5         | 0.0            |
| - 1      | 11         | 28       | NC         | 88  | 1.3      | PIN      | VOLT      | 6        | NC       | 6        | NC        | 18       | GND       | PIN | VOLT       | 16       | 5        | 64     | 2.9         | 6        | 0          | 72       | 6.3        | 6         | 0.0            |
| 0        | 9          | 29       | GND        | 89  | 0.5      | - 1      | 11        | 7        | 0.4      | 7        | 4.8       | 19       | GND       | 1   | 2.9        | IC       | 309      | IC     | 310         | 7        | 4.7        | 73       | 0          | 7         | 4.3            |
| GND      | GND        | 30       | GND        | 90  | 0.9      | 0        | 5         | 8        | 5        | 8        | 2.8       | 20       | 1.7       | 2   | 2.9        | PIN      | VOLT     | PIN    | VOLT        | 8        | GND        | 74       | 0          | 8         | 0.0            |
| 4        | 11         | 31       | 2.5        | 91  | 1.6      | GND      | GND       | 9        | 5        | 9        | NC        | 21       | 2.6       | 3   | 2.9        | 1        | GND      | 1      | NC          | 9        | GND        | 75       | GND        | 9         | NC             |
| IC       | 3          | 32       | 2.5        | 92  | 3.3      | IC       | 14        | 10       | GND      | 10       | NC        | 22       | 2.9       | 4   | 1.3        | 2        | 0        | 2      | GND         | 10       | NC         | 76       | 0          | 10        | NC             |
| PIN      | VOLT       | 33       | NC         | 93  | 3.3      | PIN      | VOLT      | 11       | 2.5      | 11       | 2.4       | 23       | 5         | 5   | 1          | 3        | GND      | 3      | GND         | 11       | 0          | 77       | 0          | 11        | 1.4            |
| 1        | 1.5        | 34       | NC         | 94  | 3.3      | I        | 3.3       | 12       | 2.2      | 12       | NC        | 24       | 1.8       | 6   | GND        | 4        | 3.1      | 4      | 5           | 12       | 4.9        | 78       | 0          | 12        | 8.0            |
| 2        | 0          | 35       | NC         | 95  | 2        | 0        | 2.5       | 13       | GND      | 13       | GND       | 25       | NC        | 7   | NC         | 5        | 3.2      | 5      | 5           | 13       | 2.3        | 79       | 0          | 13        | 2.9            |
| 3        | GND        | 36       | NC         | 96  | 2.6      | GND      | GND       | 14       | GND      | 14       | NC        | 26       | NC        | 8   | NC         | 6        | 3.1      | IC3    | 311         | 14       | GND        | 80       | NC         | 14        | 2.9            |
| 4        | -15        | 37       | NC         | 97  | 0        |          | 301       | 15       | GND      | 15       | 0.4       | 27       | NC        | 9   | NC         | 7        | 0        | PIN    | VOLT        | 15       | 2.4        | 81       | 0          | 15        | 2.8            |
| 5        | 1.1        | 38       | 3.3        | 98  | NC       | PIN      | VOLT      | 16       | 5        | 16       | 2.5       | 28       | NC        | 10  | 1          | 8        | 3.6      | 1      | 5           | 16       | 4.9        | 82       | 0          | 16        | 4.6            |
| 6        | 1.1        | 39       | GND        | 99  | NC       | 1        | 2.3       | 17       | GND      | 17       | 2         | 29       | NC        | 11  | 1          | 9        | 0        | 2      | 0.4         | 17       | 0          | 83       | 0          | 17        | 0.0            |
| 7        | 0.3        | 40       | GND        | 100 | 3.3      | 2        | 4.7       | 18       | GND      | 18       | 3.1       | 30       | NC        | 12  | 5          | 10       | 3.6      | 3      | 2.5         | 18       | 0          | 84       | NC         | 18        | GND            |
| 8        | 11.9       | 41       | GND        |     | C7       | 3        | 4.4       | 19       | GND      | 19       | NC        | 31       | 0         | 13  | 4.1        | 11       | 0        | 4      | GND         | 19       | 0          | 85       | 0          | 19        | NC             |
| _        | 34         | 42       | GND        | PIN | VOLT     | 4        | 4.5       | 20       | 1.7      | 20       | 0         | 32       | 0         | 14  | 4.1        | 12       | 0.4      | 5      | 2.5         | 20       | NC         | 86       | NC         | 20        | 9.0            |
| PIN      | VOLT       | 43       | GND        | 1   | 0.1      | 5        | GND       | 21       | 2.6      | 21       | 0         | 33       | 0         | 15  | 3.2        | 13       | 0.4      | 6      | 0.5         | 21       | 0          | 87       | 0          | 21        | 4.3            |
| 1        | 11.0       | 44       | GND        | 2   | O CND    | 6        | NC<br>F   | 22       | 2.4      | 22       | 1.8       | 34       | 0         | 16  | 2.8        | 14       | 2.5      | 7      | 5           | 22       | 0          | 88       | 0          | 22        | 3.3            |
| 2        | GND        | 45       | 2.5        | 3   | GND      | 7        | 5         | 23       | 5        | 23       | 2.1       | 35       | NC        | 17  | 3.2        | 15       | 3.8      | 8      | 5           | 23       | 0          | 89       | 0          | 23        | 3.3            |
| 3        | 0.0        | 46       | 3.3        | 4   | -15      | 8        | 3<br>NC   | 24       | 1.6      | 24       | 2.2       | 36       | 0         | 18  | 1<br>NC    | 16       | 2.6      |        | 312<br>VOLT | 24       | GND        | 90       | 0          | 24        | 4.9            |
| 4        | 9.0        | 47       | 1.7        | 5   | GND      | 9        | NC        | 25       | NC<br>NC | 25       | 3.6       | 37       | NC<br>2.5 | 19  | NC         | 17       | 2.6      | PIN    | VOLT        | 25       | 0          | 91       | 0          | 25        | 0.0            |
| 5        | 11.0       | 48       | 1.5        | 6   | 0        | 10       | NC        | 26       | NC       | 26       | 3.6       | 38       | 2.5       | 20  | 2.9        | 18       | 1.1      | 1      | 5           | 26       | NC         | 92       | 0          | 26        | 3.3            |
|          | )5<br>VOLT | 49       | GND        | 7   | 0.2      | 11       | 2.4       | 27       | NC<br>NC | 27       | 3.6       | 39       | 2.5       | 21  | NC<br>0.4  | 19       | 5        | 2      | 0.5         | 27       | NC         | 93       | 0          | 27        | NC             |
| PIN<br>1 | VOLT<br>0  | 50<br>51 | 1.4<br>GND | 8   | 12<br>C8 | 12<br>13 | NC<br>GND | 28<br>29 | NC<br>NC | 28<br>29 | 2.9<br>NC | 40<br>41 | 5<br>5    | 22  | 0.4        | 20<br>21 | 3.6<br>0 | 3<br>4 | NC<br>GND   | 28<br>29 | 4.4<br>4.9 | 94<br>95 | 4.6<br>4.6 | 28<br>29  | NC<br>NC       |
| 2        | 0          | 52       | 0          | PIN | VOLT     | 14       | NC        | 30       | NC       | 30       | NC<br>NC  | 42       | GND       | 24  | 0.1<br>GND | 22       | 3.1      | 5      | GND         | 30       | 4.9        | 96       | GND        | 30        | NC             |
| 3        | GND        | 53       | 3.3        | I   | 6        | 15       | 0.5       | 31       | 0        | 31       | NC<br>NC  | 43       | GND       | 25  | 2.6        | 23       | GND      | 6      | GND         | 31       | 4.4        | 97       | 4.6        | 31        | 4.3            |
| 4        | -15        | 54       | GND        | 0   | 3.3      | 16       | NC        | 32       | 0        | 32       | 5         | 44       | NC        | 26  | 2.6        | 24       | NC       | 7      | HD2         | 32       | 0          | 98       | GND        | 32        | NC             |
| 5        | GND        | 55       | GND        | G   | GND      | 17       | 0         | 33       | 0        | 33       | 3.2       | 45       | NC        | 27  | 2.6        | 25       | 4.4      | 8      | 5           | 33       | 0          | 99       | 4.9        | 33        | 4.3            |
| 6        | 0          | 56       | NC         |     | C9       | 18       | 3.4       | 34       | 0        | 34       | 3.2       | 46       | NC        | 28  | 5          | 26       | 4.4      | IC7    |             | 34       | 0          | 100      | 4.6        | 34        | 0.0            |
| 7        | 0.1        | 57       | 5          | PIN | VOLT     | 19       | NC        | 35       | NC       | 35       | 3.2       | 47       | NC        | 29  | NC         | 27       | 0.7      | PIN    | VOLT        | 35       | NC         |          | 707        | 35        | 4.3            |
| 8        | 12         | 58       | GND        | 1   | 15       | 20       | 0.5       | 36       | 0        | 36       | 3.2       | 48       | SDA       | 30  | 4.4        | 28       | 0.2      | 1      | NC          | 36       | 0          | PIN      | VOLT       | 36        | 4.3            |
|          | 6          | 59       | 4.5        | 0   | 12       | 21       | 0         | 37       | NC       | 37       | 3.6       | 49       | NC        | 31  | 4.4        | 29       | 5        | 2      | GND         | 37       | 4.6        | 1        | 4.8        | 37        | 4.3            |
| PIN      | VOLT       | 60       | 4.5        | GND | GND      | 22       | 2.1       | 38       | 2.6      | 38       | 3.2       | 50       | SCL       | 32  | GND        | 30       | 5.7      | 3      | GND         | 38       | 0          | 2        | 4.5        | 38        | 0.0            |
| 1        | GND        | 61       | NC         |     | 10       | 23       | 2.2       | 39       | 2.6      | 39       | 3.3       | 51       | NC        | 33  | 2.9        | 31       | 1.3      | 4      | 5           | 39       | 0          | 3        | 4.5        | 39        | 4.3            |
| 2        | GND        | 62       | NC         | PIN | VOLT     | 24       | 2.2       | 40       | 5        | 40       | 1.7       | 52       | NC        | 34  | 2.9        | 32       | 3.1      | 5      | 5           | 40       | 0          | 4        | GND        | 40        | 4.3            |
| 3        | GND        | 63       | NC         | 1   | 0.1      | 25       | 3.5       | 41       | 5        | 41       | 1.8       | 53       | NC        | 35  | 2.9        | 33       | 1.6      |        | 702         | 41       | 2.3        | 5        | 4.6        | 41        | 0.0            |
| 4        | NC         | 64       | 3.3        | 2   | 0        | 26       | 3.5       | 42       | GND      | 42       | 2.6       | 54       | NC        | 36  | 1          | 34       | 0        | PIN    | VOLT        | 42       | 0          | 6        | 4.5        | 42        | 4.3            |
| 5        | NC         | 65       | NC         | 3   | 0        | 27       | 3.5       | 43       | GND      | 43       | GND       | 55       | NC        | 37  | 1          | 35       | 0.3      | 1      | GND         | 43       | 4.6        | 7        | 4.8        | 43        | 4.3            |
| 6        | NC         | 66       | NC         | 4   | -15      | 28       | NC        | 44       | NC       | 44       | 2.5       | 56       | NC        | 38  | NC         | 36       | GND      | 2      | 5           | 44       | 2.8        | 8        | 9          | 44        | NC             |
| 7        | NC         | 67       | NC         | 5   | 0.1      | 29       | NC        | 45       | NC       | 45       | 3.2       | 57       | NC        | 39  | NC         | 37       | 2.7      | 3      | 5           | 45       | 0.1        | IC       | 708        | 45        | 4.3            |
| 8        | NC         | 68       | NC         | 6   | 0        | 30       | NC        | 46       | NC       | 46       | 2.8       | 58       | NC        | 40  | 5          | 38       | 3.3      | 4      | GND         | 46       | 0          | PIN      | VOLT       | 46        | 4.3            |
| 9        | NC         | 69       | NC         | 7   | 1        | 31       | NC        | 47       | NC       | 47       | 5         | 59       | NC        | 41  | 2.9        | 39       | 0.7      | 5      | 4.4         | 47       | 4.6        | 1        | -19        | 47        | 4.3            |
| 10       | NC         | 70       | NC         | 8   | 12       | 32       | 5         | 48       | 4.4      | 48       | 3.2       | 60       | NC        | 42  | 2.8        | 40       | 3        | 6      | 4.4         | 48       | 5          | 2        | 0          | 48        | 4.3            |
| 11       | NC         | 71       | NC         | IC  | 11       | 33       | NC        | 49       | NC       | IC:      | 304       | 61       | NC        | 43  | 2.1        | 41       | GND      | 7      | 5           | 49       | 5          | 3        | 22.1       | All volta | ages are in V. |
| 12       | NC         | 72       | NC         | 1   | 1.2      | 34       | NC        | 50       | 4.3      | PIN      | VOLT      | 62       | NC        | 44  | 1          | 42       | 0        | 8      | 5           | 50       | 0          | 4        | 0          |           |                |
| 13       | NC         | 73       | NC         | 2   | 0.1      | 35       | NC        | 51       | NC       | 1        | NC        | 63       | NC        | 45  | 1          | 43       | 2.5      | IC7    | 703         | 51       | 5          | 5        | 11.6       |           |                |
| 14       | NC         | 74       | NC         | 3   | 0.3      | 36       | 2.7       | 52       | NC       | 2        | NC        | 64       | NC        | 46  | NC         | 44       | GND      | PIN    | VOLT        | 52       | 0          | 6        | -19        |           |                |
| 15       | NC         | 75       | NC         | 4   | -15      | 37       | NC        | 53       | NC       | 3        | NC        | IC:      | 305       | 47  | NC         | 45       | 2.1      | 1      | GND         | 53       | 2.8        | 7        | 0          |           |                |
| 16       | NC         | 76       | 4.1        | 5   | 0.2      | 38       | NC        | 54       | NC       | 4        | NC        | PIN      | VOLT      | 48  | GND        | 46       | NC       | 2      | GND         | 54       | 0          | 8        | 0          |           |                |
| 17       | NC         | 77       | GND        | 6   | 0        | 39       | NC        | 55       | GND      | 5        | NC        | 1        | 2.4       |     | 307        | 47       | 3.9      | 3      | GND         | 55       | 0          | 9        | 0          |           |                |
| 18       | NC         | 78       | GND        | 7   | 2        | 40       | 1.7       | 56       | GND      | 6        | NC        | 2        | 0         | PIN | VOLT       | 48       | 4.4      | 4      | GND         | 56       | NC         | 10       | 0          |           |                |
| 19       | NC         | 79       | GND        | 8   | 12       | 41       | 1.8       | 57       | GND      | 7        | 0.4       | 3        | 2.8       | 1   | 0.5        | 49       | 5.4      | 5      | 4.4         | 57       | NC         | 11       | 0          |           |                |
| 20       | NC         | 80       | GND        |     |          | 42       | 2.6       | 58       | GND      | 8        | 5         | 4        | 2.9       | 2   | 0.5        | 50       | NC       | 6      | 4.4         | 58       | 0          |          |            |           |                |
|          |            |          |            |     |          | 43       | GND       | 59       | GND      | 9        | 5         | 5        | 0         | 3   | 0.5        | 51       | NC       | 7      | 5           | 59       | 0          | ļ        |            |           |                |
|          |            |          |            |     |          | 44       | 2.5       | 60       | GND      | 10       | GND       | 6        | GND       | 4   | 0.5        | 52       | 0        | 8      | 5           | 60       | 0          | ļ        |            |           |                |
|          |            |          |            |     |          | 45       | 3.2       | 61       | NC       |          |           | 7        | GND       | 5   | 0.5        | 53       | 3.5      |        |             | 61       | 0          | ļ        |            |           |                |
|          |            |          |            |     |          | 46       | 3         | 62       | NC       |          |           | 8        | GND       | 6   | GND        | 54       | 0.5      |        |             | 62       | 4.9        | Į        |            |           |                |
|          |            |          |            |     |          | 47       | 4.9       | 63       | NC       |          |           | 9        | 4.9       | 7   | GND        | 55       | 9.1      |        |             | 63       | 4.9        | ļ        |            |           |                |
|          |            |          |            |     |          | 48       | 3.2       | 64       | NC       |          |           | 10       | 4.9       | 8   | GND        | 56       | 3.1      |        |             | 64       | GND        | J        |            |           |                |
|          |            |          |            |     |          |          |           |          |          |          |           |          |           |     |            |          |          |        |             |          |            |          |            |           |                |

## A BOARD TRANSISTOR LIST

|              | В          | С          | E    |               | В          | С             | E        |
|--------------|------------|------------|------|---------------|------------|---------------|----------|
| Q1           | 1.9        | GND        | 2.5  | Q334          | 2.2        | GND           | 2.8      |
| Q2           | 2.2        | 2.9        | GND  | Q335          | 0          | 9.1           | 0        |
| Q3           | 0.1        | 0          | GND  | Q336          | 0          | 9.1           | 0        |
| Q4           | 4.8        | 0.6        | 5    | Q337          | 2.4        | 5             | 2.2      |
| Q5           | 6.2        | 8.9        | 5.5  | Q338          | 2.4        | 5             | 2.2      |
| Q6           | 3.4        | 4.8        | 3.7  | Q339          | 2.5        | 5             | 1.9      |
| Q7           | 5.3        | 0.9        | 5    | Q340          | 0          | 9.1           | 0        |
| Q8           | 2.4        | 3          | GND  | Q342          | 0          | 0             | GND      |
| Q11          | 0          | 10.4       | GND  | Q343          | 2.9        | GND           | 3.6      |
| Q12          | 1.7        | GND        | 2.4  | Q344          | 3.2        | GND           | 3.8      |
| Q13          | 1.6        | GND        | 2.3  | Q345          | 2.9        | GND           | 3.5      |
| Q14          | 4.7        | 9          | 0    | Q346          | 0          | 0             | GND      |
| Q15          | 2.9        | GND        | 3.5  | Q347          | 2.9        | GND           | 3.7      |
| Q16          | 2.8        | GND        | 3.5  | Q348          | 2.7        | GND           | 3.3      |
| Q17          | 2.9        | 8.9        | 2.3  | Q350          | 0          | 0             | GND      |
| Q18          | 3          | 8.9        | 2.3  | Q351          | 2.7        | GND           | 3.5      |
| Q19          | 3.7        | 8.9        | 3.1  | Q353          | 9.3        | 0             | 3.9      |
| Q20          | 3.7        | 8.9        | 3.1  | Q354          | 8.5        | 3.7           | 9.2      |
| Q21          | 5          | 8.0        | 5    | Q355          | 2.2        | 9.1           | 3.9      |
| Q22          | 0          | 4.1        | GND  | Q356          | 4.4        | GND           | 4        |
| Q23          | 2.3        | 6.6        | 1.7  | Q357          | 8.5        | 3.4           | 9.2      |
| Q24          | 2.3        | 6          | 1.8  | Q358          | 1.1        | GND           | 1.7      |
| Q25          | 6.6        | 8.9        | 5.9  | Q361          | 0          | 9.1           | 0        |
| Q26          | 6          | 8.9        | 5.3  | Q363          | 0          | 9.1           | 0        |
| Q27          | 4.8        | 9          | 4.2  | Q367          | 2.4        | GND           | 3.3      |
| Q28          | 10.4       | 0          | 10.2 | Q368          | 0          | 9.1           | 0        |
| Q30          | 0          | 0          | GND  | Q369          | 0          | 0             | GND      |
| Q301         | 0          | 5          | 1.2  | Q373          | 5.7        | 9.1           | 5        |
| Q304         | 0.4        | 0.5        | GND  | Q374          | 0          | 2.6           | GND      |
| Q306         | 0.2        | 2.5        | GND  | Q378          | 0.7        | 0.1           | GND      |
| Q307         | 0.2        | 2.5        | GND  | Q379          | 9.1        | 0.7           | 9.1      |
| Q308         | 2.6        | GND        | 6.6  | Q380          | 0          | 9.1           | 0        |
| Q309         | 2.9        | 9.1        | 8.1  | Q381          | 0          | 9.1           | 0        |
| Q310         | 3.7        | 9.1        | 3.1  | Q501          | 2.1        | 2.7           | GND      |
| Q311         | 3.9        | 9.1        | 3.3  | Q502          | 0.8        | 1.4           | GND      |
| Q312         | 1.6        | GND        | 2.3  | Q701          | 0          | 5             | 0        |
| Q313         | 7.9        | 8.8        | GND  | Q702          | 4.4        | 4             | 5<br>CND |
| Q314         | 0          | 8.9        | 0    | Q703          | 0          | 4.2           | GND      |
| Q315         | 0          | 9          | 0    | Q704          | 4.9        | 0             | O CND    |
| Q316<br>Q317 | 4.4<br>4.4 | 9.1<br>9.1 | 3.8  | Q705          | 0.6<br>4.3 | 0.1           | GND<br>0 |
| Q317<br>Q318 |            |            | 3.8  | Q706<br>Q707  |            | <u>0</u><br>5 | GND      |
| Q319         | 4.4<br>0   | 9.1        | 0    |               | 0          |               | GND      |
| Q319<br>Q320 | 2.3        | 9.1<br>5   | 1.7  | Q708<br>Q709  | 0.1        | 0.1<br>5      | 0        |
| Q321         | 4.4        | 9.1        | 3.8  | Q710          | 0.6        | 0             | GND      |
| Q321         | 4.4        | 9.1        | 3.8  | Q710          | 4.9        | 0             | 5        |
| Q323         | 4.4        | 9.1        | 3.8  | Q712          | 10.3       | 0             | 10.3     |
| Q324         | 0.5        | 0.4        | GND  | Q714          | 0          | 0             | 4.9      |
| Q325         | 2.2        | GND        | 0    | Q715          | 0          | 4.7           | GND      |
| Q326         | 2.2        | GND        | 0    | Q716          | 0          | 5             | GND      |
| Q327         | 2.2        | GND        | 0    | Q717          | 0.3        | 13.1          | GND      |
| Q328         | 1.8        | GND        | 2.5  | Q717          | 12.3       | 11.6          | 11.6     |
| Q329         | 2.1        | GND        | 2.8  | Q719          | 10.3       | 0             | 10.3     |
| Q330         | 2.2        | GND        | 2.8  | Q713          | 10.3       | 0             | 10.4     |
| Q331         | 8.5        | 3.6        | 9.2  | Q722          | 0          | 9             | GND      |
| Q332         | 2.1        | GND        | 2.8  | Q723          | 0          | 9             | 0        |
| Q333         | 2.1        | GND        | 2.6  | Q725          | 8.9        | 0             | 9        |
| <b>4000</b>  |            | OND        | 2.0  | _ \(\delta \) | 0.9        | U             | 9        |

All voltages are in V.

TRANSISTOR

F-8

H-12

F-8

F-9

B-9

B-9

B-10

B-10

B-11

Q703

Q712

Q715

Q716

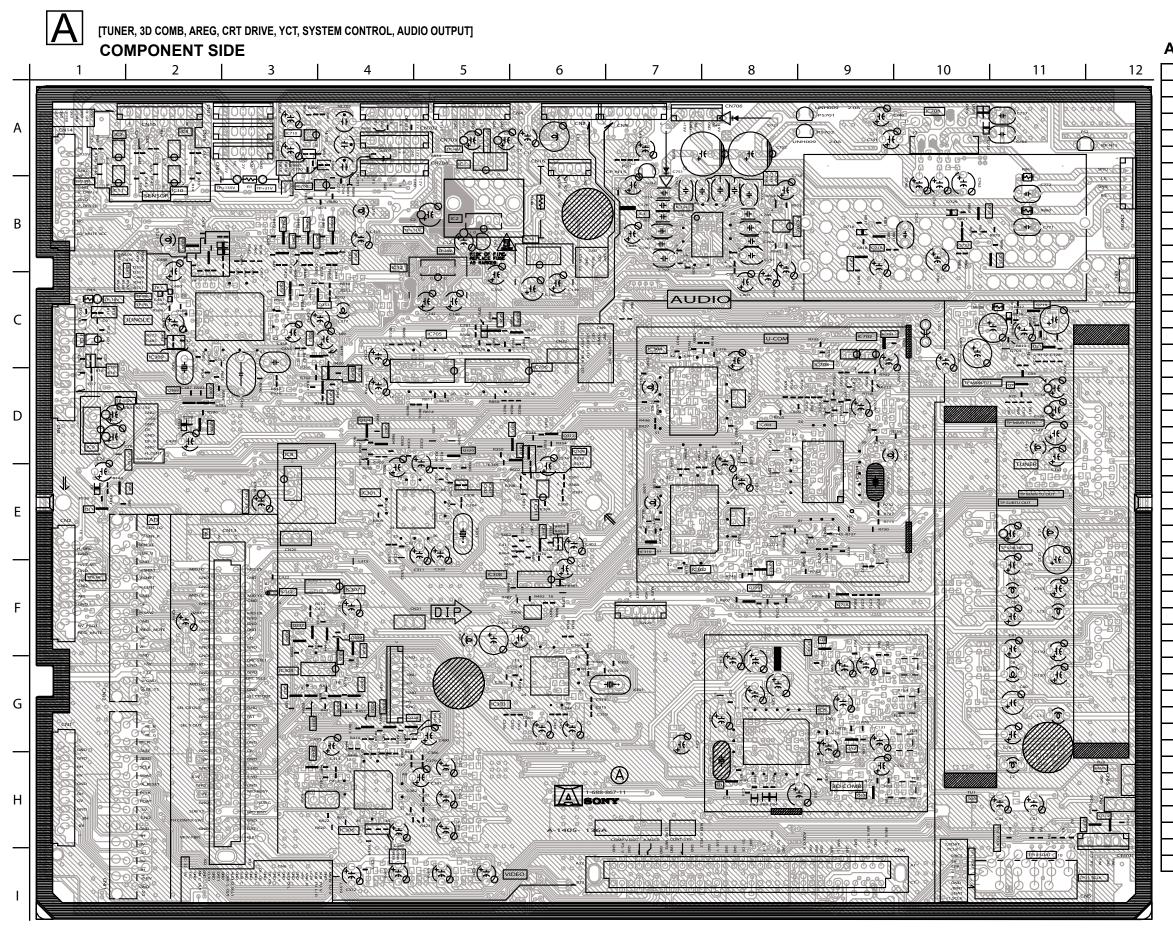
Q717

Q718

Q722

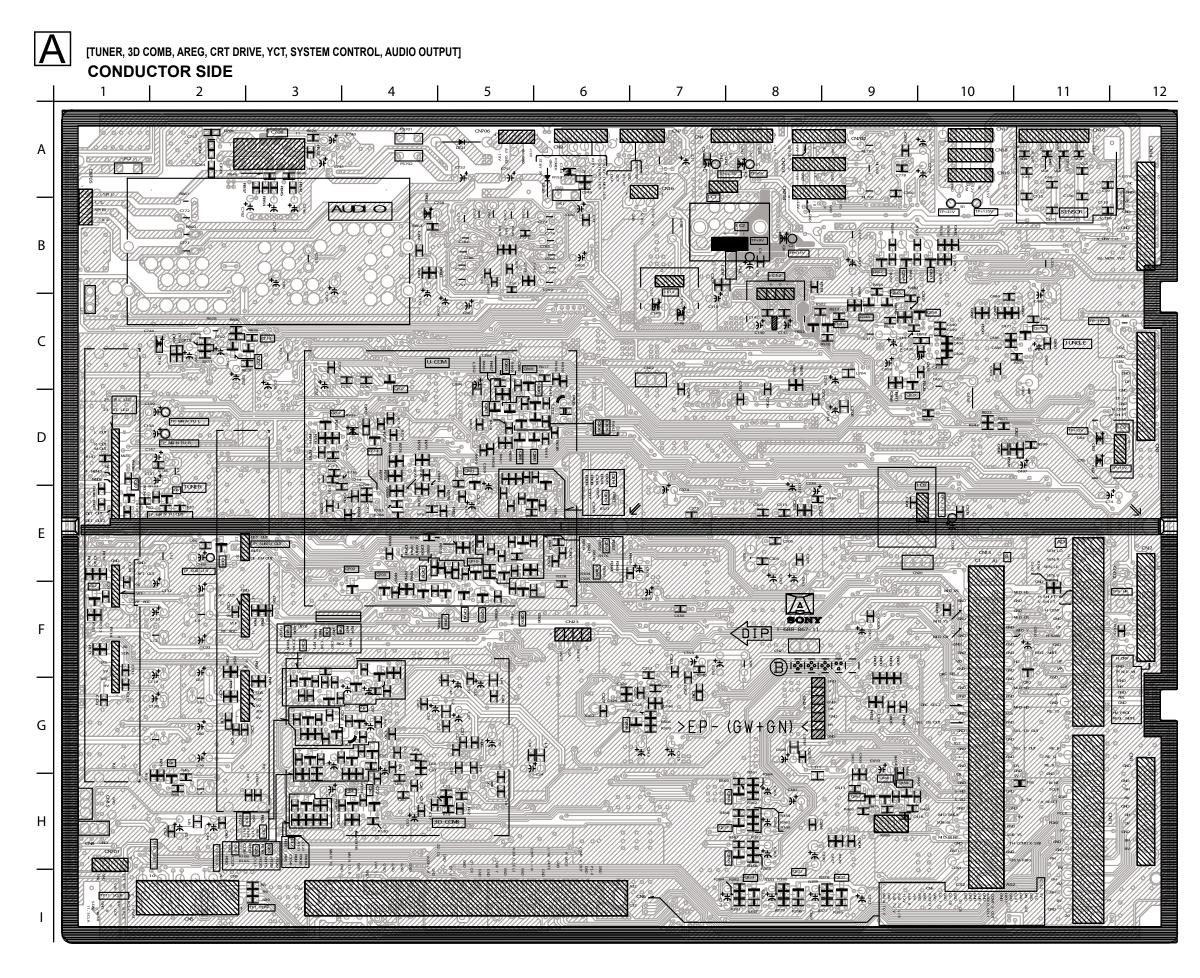
Q723

Q725



#### A BOARD LOCATOR LIST

| A BOARD LOCATOR LIST |      |       |        |  |  |  |  |  |  |  |
|----------------------|------|-------|--------|--|--|--|--|--|--|--|
| DIC                  | DE   | TRANS | SISTOR |  |  |  |  |  |  |  |
| D1                   | E-1  | Q1    | H-8    |  |  |  |  |  |  |  |
| D317                 | C-2  | Q3    | F-9    |  |  |  |  |  |  |  |
| D318                 | C-2  | Q7    | D-11   |  |  |  |  |  |  |  |
| D319                 | D-2  | Q11   | E-1    |  |  |  |  |  |  |  |
| D701                 | C-11 | Q12   | G-9    |  |  |  |  |  |  |  |
| D704                 | C-11 | Q13   | H-9    |  |  |  |  |  |  |  |
| D705                 | A-10 | Q21   | C-11   |  |  |  |  |  |  |  |
| D710                 | F-9  | Q302  | F-7    |  |  |  |  |  |  |  |
| D711                 | E-8  | Q303  | F-7    |  |  |  |  |  |  |  |
| D712                 | E-8  | Q305  | F-6    |  |  |  |  |  |  |  |
| D713                 | D-8  | Q307  | D-4    |  |  |  |  |  |  |  |
| D718                 | B-9  | Q308  | B-6    |  |  |  |  |  |  |  |
| D725                 | A-10 | Q310  | D-5    |  |  |  |  |  |  |  |
| D726                 | A-10 | Q311  | D-5    |  |  |  |  |  |  |  |
| D729                 | B-10 | Q312  | D-6    |  |  |  |  |  |  |  |
| I                    | С    | Q313  | D-4    |  |  |  |  |  |  |  |
| IC1                  | A-5  | Q320  | D-5    |  |  |  |  |  |  |  |
| IC2                  | B-5  | Q324  | D-4    |  |  |  |  |  |  |  |
| IC3                  | C-1  | Q325  | F-4    |  |  |  |  |  |  |  |
| IC4                  | G-9  | Q326  | F-4    |  |  |  |  |  |  |  |
| IC5                  | A-2  | Q327  | G-3    |  |  |  |  |  |  |  |
| IC6                  | G-9  | Q328  | F-4    |  |  |  |  |  |  |  |
| IC7                  | A-2  | Q329  | F-4    |  |  |  |  |  |  |  |
| IC8                  | D-3  | Q330  | G-3    |  |  |  |  |  |  |  |
| IC9                  | D-1  | Q332  | G-4    |  |  |  |  |  |  |  |
| IC10                 | B-2  | Q333  | G-4    |  |  |  |  |  |  |  |
| IC11                 | B-1  | Q334  | G-4    |  |  |  |  |  |  |  |
| IC12                 | B-4  | Q337  | F-3    |  |  |  |  |  |  |  |
| IC13                 | B-6  | Q338  | G-4    |  |  |  |  |  |  |  |
| IC301                | E-4  | Q339  | G-4    |  |  |  |  |  |  |  |
| IC302                | F-7  | Q341  | E-6    |  |  |  |  |  |  |  |
| IC303                | G-5  | Q342  | B-3    |  |  |  |  |  |  |  |
| IC304                | C-7  | Q343  | B-3    |  |  |  |  |  |  |  |
| IC305                | G-3  | Q344  | G-3    |  |  |  |  |  |  |  |
| IC306                | H-4  | Q346  | B-3    |  |  |  |  |  |  |  |
| IC307                | F-4  | Q347  | B-3    |  |  |  |  |  |  |  |
| IC308                | F-5  | Q349  | D-4    |  |  |  |  |  |  |  |
| IC309                | C-2  | Q350  | B-4    |  |  |  |  |  |  |  |
| IC310                | E-7  | Q351  | B-4    |  |  |  |  |  |  |  |
| IC311                | E-6  | Q352  | C-3    |  |  |  |  |  |  |  |
| IC312                | F-3  | Q353  | C-4    |  |  |  |  |  |  |  |
| IC701                | C-9  | Q355  | C-3    |  |  |  |  |  |  |  |
| IC702                | C-9  | Q367  | C-1    |  |  |  |  |  |  |  |
| IC703                | C-9  | Q369  | D-2    |  |  |  |  |  |  |  |
| IC704                | D-8  | Q374  | B-2    |  |  |  |  |  |  |  |
| IC707                | B-8  | Q378  | D-2    |  |  |  |  |  |  |  |
| IC708                | A-10 | Q379  | D-2    |  |  |  |  |  |  |  |
| IC711                | B-8  | ]     |        |  |  |  |  |  |  |  |
|                      |      | -     |        |  |  |  |  |  |  |  |

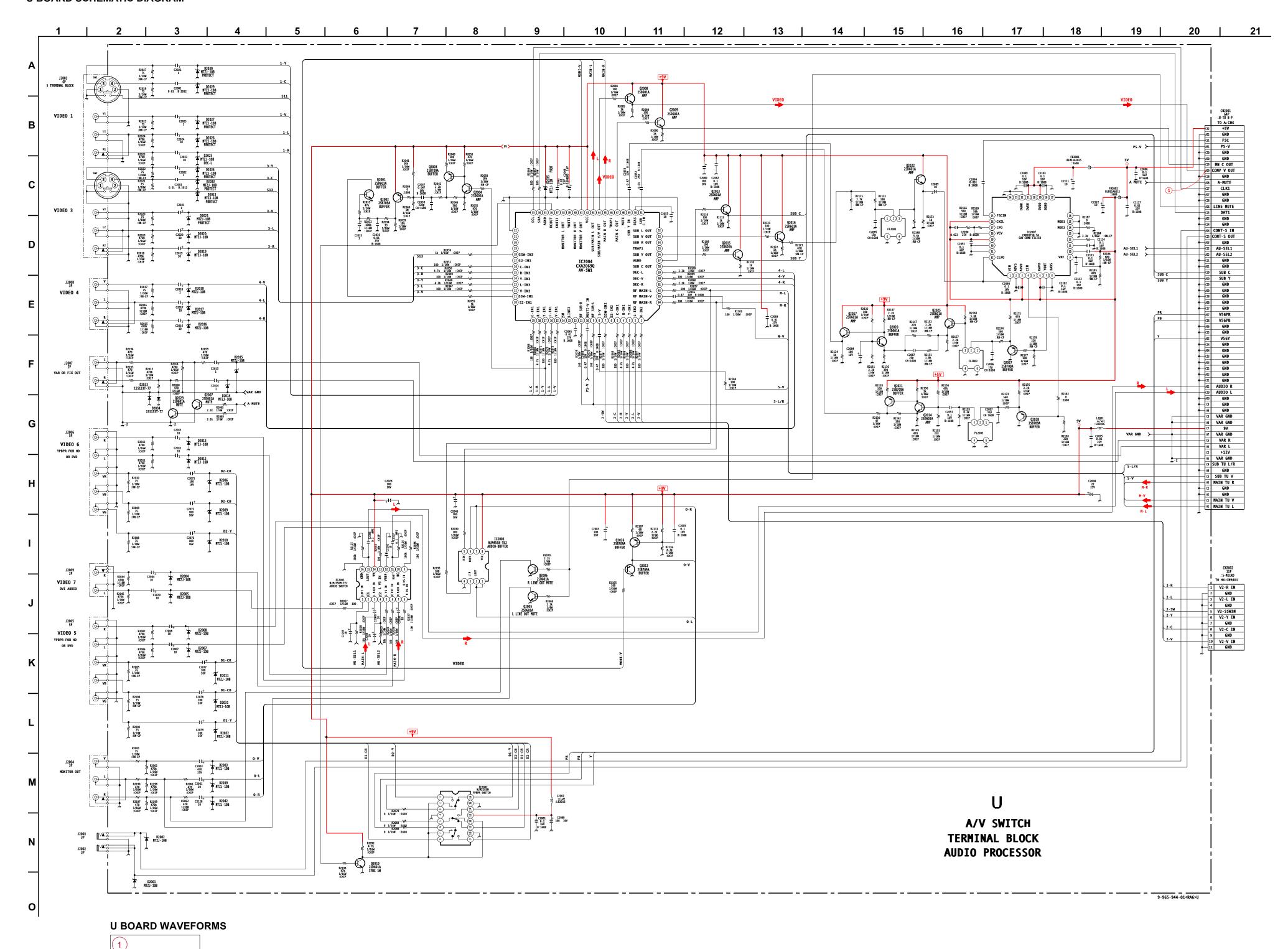


#### A BOARD LOCATOR LIST

| DIC   | DE     | TRANSISTOR |      |  |  |  |  |
|-------|--------|------------|------|--|--|--|--|
| D5    | G-2    | Q314       | E-5  |  |  |  |  |
| D7    | A-6    | Q315       | E-5  |  |  |  |  |
| D307  | G-7    | Q316       | H-7  |  |  |  |  |
| D312  | C-9    | Q317       | H-7  |  |  |  |  |
| D321  | D-10   | Q318       | H-7  |  |  |  |  |
| D702  | C-2    | Q319       | E-6  |  |  |  |  |
| D703  | D-4    | Q321       | I-9  |  |  |  |  |
| D706  | A-2    | Q322       | I-9  |  |  |  |  |
| D708  | E-4    | Q323       | I-8  |  |  |  |  |
| D709  | E-4    | Q331       | B-9  |  |  |  |  |
| D719  | C-2    | Q335       | D-5  |  |  |  |  |
| D720  | B-6    | Q336       | D-5  |  |  |  |  |
| D721  | A-5    | Q340       | C-5  |  |  |  |  |
| D723  | A-2    | Q345       | B-9  |  |  |  |  |
| D724  | A-2    | Q348       | C-9  |  |  |  |  |
| TRANS | SISTOR | Q354       | B-9  |  |  |  |  |
| Q2    | G-2    | Q356       | B-10 |  |  |  |  |
| Q4    | F-3    | Q357       | B-9  |  |  |  |  |
| Q5    | G-4    | Q358       | G-6  |  |  |  |  |
| Q6    | F-3    | Q361       | C-5  |  |  |  |  |
| Q8    | E-2    | Q363       | C-5  |  |  |  |  |
| Q14   | E-2    | Q368       | C-5  |  |  |  |  |
| Q15   | F-3    | Q373       | C-11 |  |  |  |  |
| Q16   | F-3    | Q380       | D-5  |  |  |  |  |
| Q17   | H-3    | Q381       | D-5  |  |  |  |  |
| Q18   | F-3    | Q501       | C-9  |  |  |  |  |
| Q19   | F-3    | Q502       | C-8  |  |  |  |  |
| Q20   | F-3    | Q701       | D-3  |  |  |  |  |
| Q22   | F-1    | Q702       | E-3  |  |  |  |  |
| Q23   | G-4    | Q704       | F-5  |  |  |  |  |
| Q24   | H-4    | Q705       | F-5  |  |  |  |  |
| Q25   | G-4    | Q706       | F-5  |  |  |  |  |
| Q26   | H-4    | Q707       | C-4  |  |  |  |  |
| Q27   | D-11   | Q708       | F-4  |  |  |  |  |
| Q28   | G-4    | Q709       | E-4  |  |  |  |  |
| Q30   | F-11   | Q710       | E-5  |  |  |  |  |
| Q301  | D-5    | Q713       | C-3  |  |  |  |  |
| Q304  | E-6    | Q714       | D-4  |  |  |  |  |
| Q306  | F-5    | Q721       | C-3  |  |  |  |  |
| Q309  | C-9    | ]          |      |  |  |  |  |

#### **U BOARD SCHEMATIC DIAGRAM**

2.2Vp-p (H)

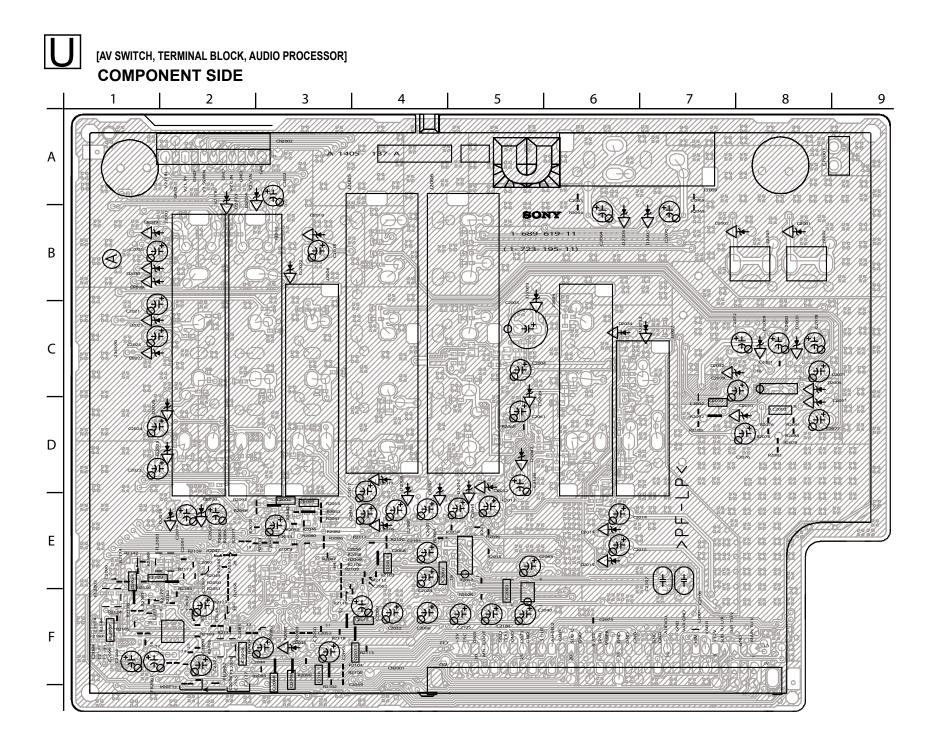


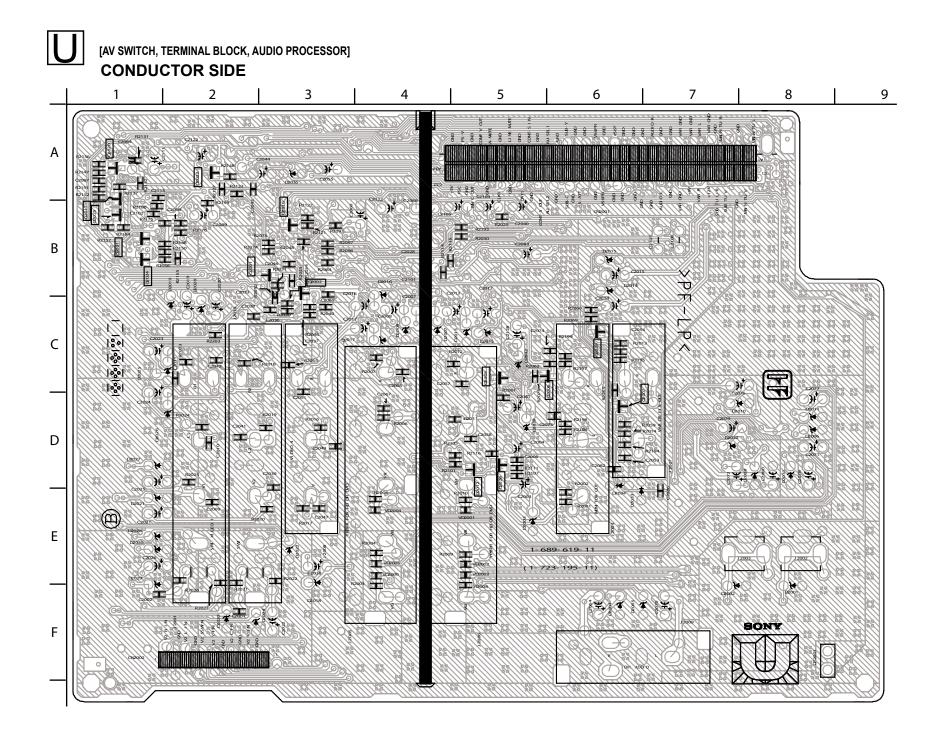
#### U BOARD IC VOLTAGE LIST

| IC2 | 2001 | IC2 | 2004 | 45  | 4.5  | 19          | 5.0          |
|-----|------|-----|------|-----|------|-------------|--------------|
| PIN | VOLT | PIN | VOLT | 46  | NC   | 20          | NC           |
| 1   | 4.5  | 1   | 3.9  | 47  | 4.4  | 21          | 5.0          |
| 2   | 0.0  | 2   | 4.4  | 48  | NC   | 22          | GND          |
| 3   | 4.5  | 3   | 3.9  | 49  | 5.3  | 23          | NC           |
| 4   | 0.0  | 4   | 4.4  | 50  | 4.5  | 24          | GND          |
| 5   | 4.5  | 5   | 0.5  | 51  | 4.4  | 25          | 2.5          |
| 6   | 4.5  | 6   | NC   | 52  | 4.5  | 26          | 5.0          |
| 7   | 4.5  | 7   | 4.9  | 53  | 4.9  | 27          | 2.2          |
| 8   | 4.5  | 8   | 4.5  | 54  | 4.5  | 28          | 2.2          |
| 9   | 9.0  | 9   | 4.4  | 55  | NC   | 29          | 5.0          |
| 10  | 4.5  | 10  | 4.3  | 56  | 4.5  | 30          | GND          |
| 11  | 4.5  | 11  | 4.4  | 57  | GND  | 31          | GND          |
| 12  | 4.5  | 12  | 4.4  | 58  | 4.3  | 32          | 1.8          |
| 13  | 4.5  | 13  | NC   | 59  | 4.4  |             | ges are in   |
| 14  | 4.5  | 14  | NC   | 60  | 3.9  | 7 til Volto | igos are iri |
| 15  | 4.5  | 15  | 3.9  | 61  | 4.4  |             |              |
| 16  | GND  | 16  | 4.4  | 62  | 4.4  |             |              |
|     | 2002 | 17  | 3.9  | 63  | 4.3  |             |              |
| PIN | VOLT | 18  | 4.4  | 64  | 4.5  |             |              |
| 1   | 4.6  | 19  | 4.4  |     | 007  |             |              |
| 2   | 5.0  | 20  | NC   | PIN | VOLT |             |              |
| 3   | 3.1  | 21  | 4.9  | 1   | 1.8  |             |              |
| 4   | GND  | 22  | 3.9  | 2   | GND  |             |              |
| 5   | 3.1  | 23  | 3.9  | 3   | 5.0  |             |              |
| 6   | 3.1  | 24  | 4.4  | 4   | 1.1  |             |              |
| 7   | 5.0  | 25  | 3.9  | 5   | NC   |             |              |
| 8   | 4.6  | 26  | 4.4  | 6   | 5.0  |             |              |
| 9   | 4.6  | 27  | NC   | 7   | 1.3  |             |              |
| 10  | GND  | 28  | 0.1  | 8   | GND  |             |              |
| 11  | 4.6  | 29  | NC   | 9   | 2.0  |             |              |
| 12  | 5.0  | 30  | NC   | 10  | 2.7  |             |              |
| 13  | 9.0  | 31  | NC   | 11  | 1.0  |             |              |
| 14  | 4.6  | 32  | GND  | 12  | 2.0  |             |              |
| 15  | GND  | 33  | 4.4  | 13  | GND  |             |              |
| 16  | 4.6  | 34  | 4.4  | 14  | 0.0  |             |              |
|     | 2003 | 35  | GND  | 15  | GND  |             |              |
| PIN | VOLT | 36  | 0.0  | 16  | GND  |             |              |
| 1   | 4.5  | 37  | NC   | 17  | NC   |             |              |
| 2   | 4.5  | 38  | 4.5  | 18  | GND  |             |              |
| 3   | 4.4  | 39  | NC   | 10  | OND  |             |              |
| 4   | GND  | 40  | 4.5  |     |      |             |              |
| 5   | 4.4  | 41  | 4.4  |     |      |             |              |
| 6   | 4.4  | 42  | 9.0  |     |      |             |              |
| 7   | 4.5  | 43  | 4.4  |     |      |             |              |
| 8   |      |     |      |     |      |             |              |
| Ø   | 9.0  | 44  | 4.3  | I   |      |             |              |

# **U BOARD TRANSISTOR LIST**

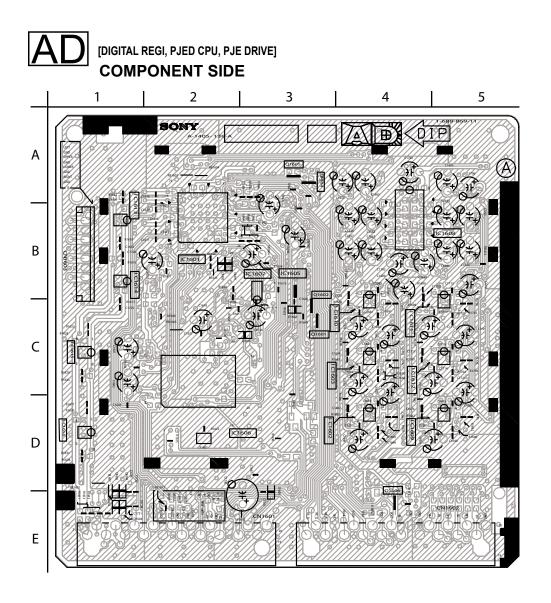
|       | В   | С         | Е             |
|-------|-----|-----------|---------------|
| Q2001 | 0.1 | 4.9       | GND           |
| Q2002 | 8.4 | 0.1       | 9.0           |
| Q2003 | 7.8 | 5.6       | 8.5           |
| Q2004 | 3.8 | 7.8       | 3.2           |
| Q2005 | 0.3 | 0.0       | GND           |
| Q2006 | 0.3 | 0.0       | GND           |
| Q2007 | 0.4 | 0.0       | 0.0           |
| Q2008 | 4.3 | 9.0       | 3.7           |
| Q2009 | 4.4 | 9.0       | 3.7           |
| Q2010 | 0.0 | 5.0       | GND           |
| Q2012 | 4.5 | GND       | 5.1           |
| Q2013 | 4.3 | 9.0       | 3.7           |
| Q2015 | 4.5 | 9.0       | 3.9           |
| Q2016 | 4.7 | 9.0       | 8.7           |
| Q2017 | 5.0 | 9.0       | 4.4           |
| Q2020 | 1.6 | 5.0       | 1.0           |
| Q2021 | 4.2 | 1.3       | 4.8           |
| Q2022 | 3.3 | 9.0       | 2.7           |
| Q2024 | 1.5 | 4.2       | 0.9           |
| Q2025 | 2.6 | 9.0       | 2.0           |
| Q2026 | 7.2 | 5.1       | 7.9           |
| Q2027 | 1.3 | GND       | 2.0           |
| Q2028 | 1.1 | GND       | 1.7           |
| Q2029 | 0.4 | 0.0       | GND           |
|       |     | All volta | ages are in V |

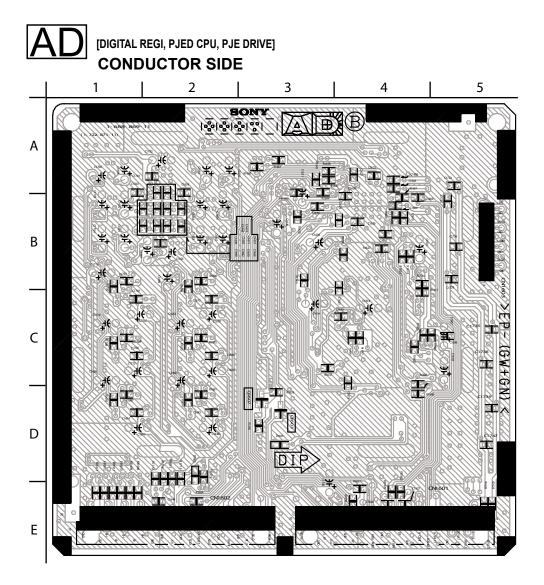




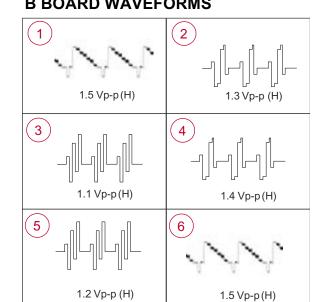
#### AD BOARD WAVEFORMS

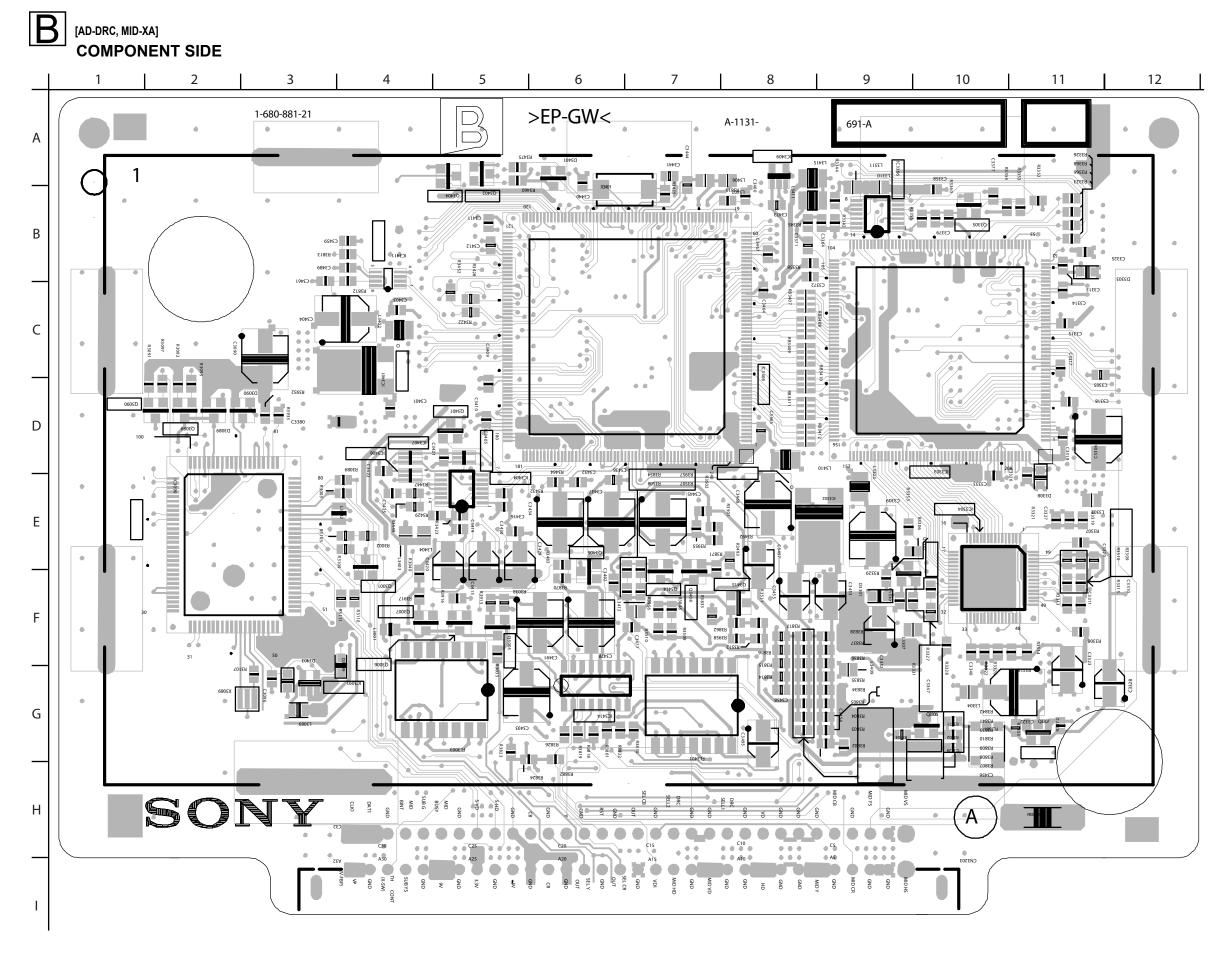
| AD BOAND WAVE | OKWIS        |              |
|---------------|--------------|--------------|
| 2.1 Vp-p (V)  | 2.3 Vp-p (V) | 2.1 Vp-p (V) |
| 2.5 Vp-p (V)  | 2.0 Vp-p (V) | 2.3 Vp-p (V) |

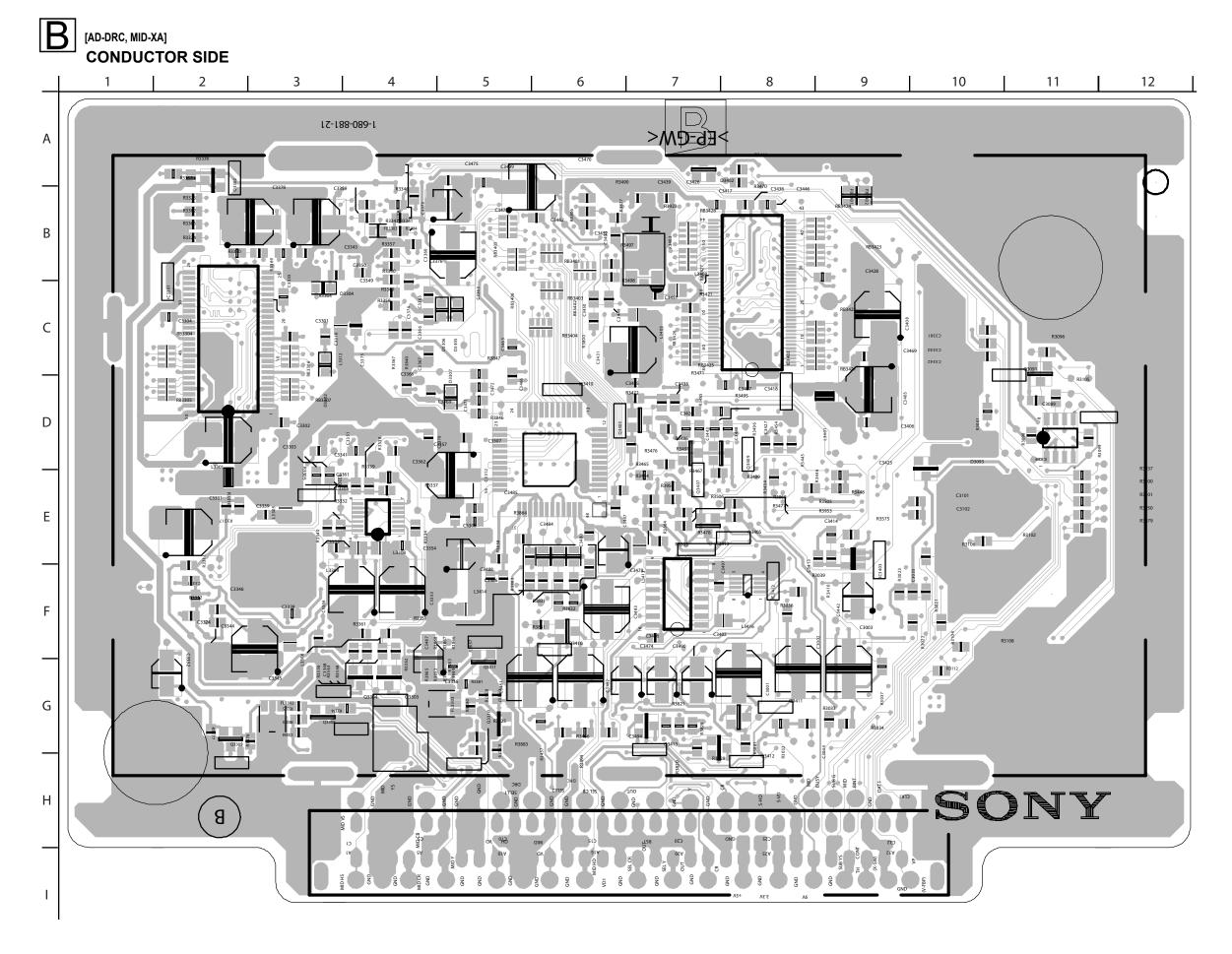




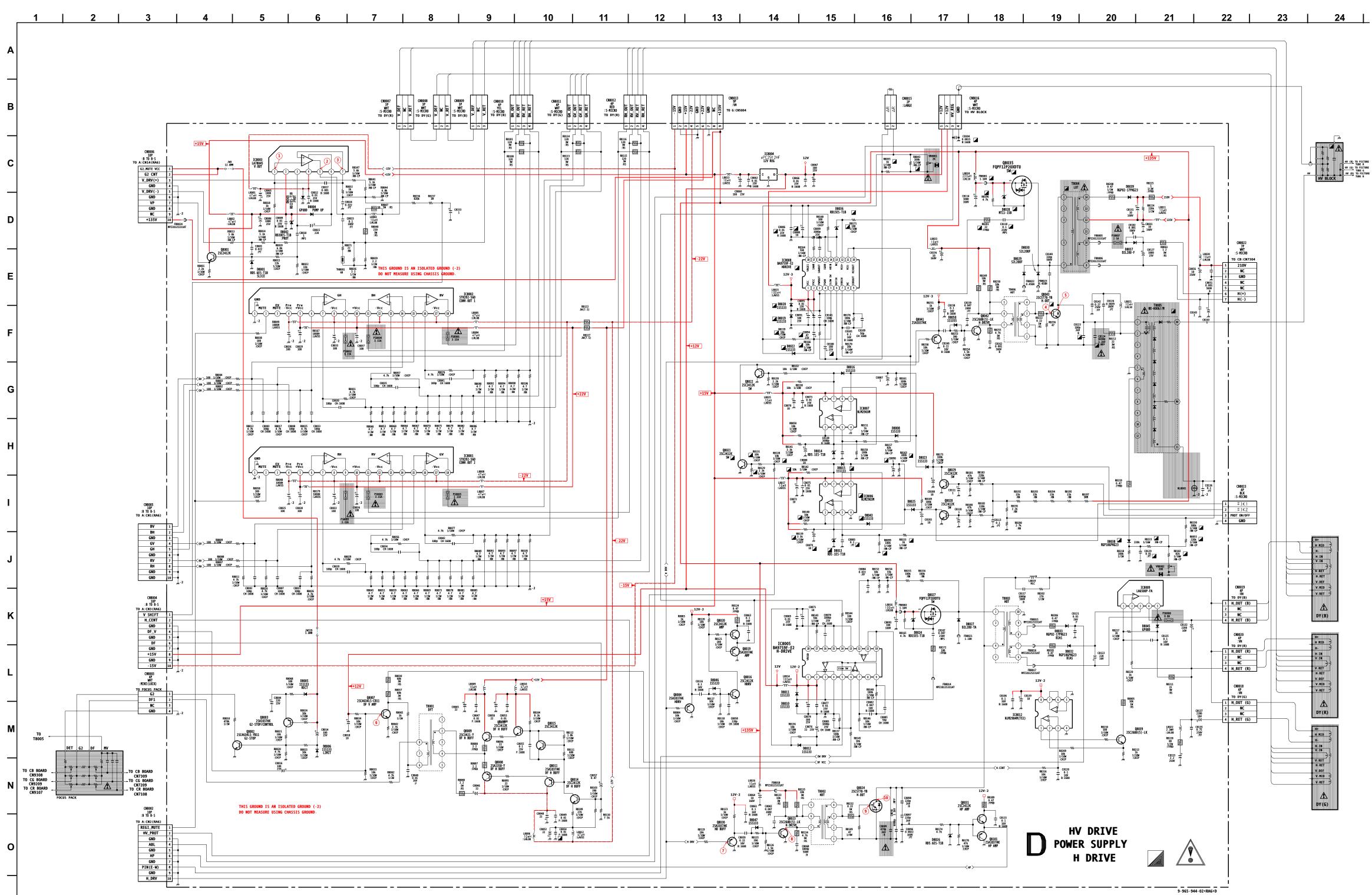
## **B BOARD WAVEFORMS**







#### D BOARD SCHEMATIC DIAGRAM



## D BOARD WAVEFORMS

| 1             | 2             |
|---------------|---------------|
|               |               |
| 500 mVp-p (V) | 53.2 Vp-p (V) |
| 3             | 4             |
|               |               |
| 500 mVp-p (V) | 14.7 Vp-p (H) |
| 5             | 6             |
| _//_          |               |
| 940 Vp-p (H)  | 6.5 Vp-p (V)  |
| 7             | 8             |
| ПП            |               |
| 3.5 Vp-p (H)  | 104 Vp-p (H)  |
| 9             | 10            |
|               |               |
| 7.6 Vp-p (H)  | 1030 Vp-p (H) |

# D BOARD IC VOLTAGE LIST

| 1         GND         16         0         17         2.6         12         7.4           2         4.3         17         -22         18         9.1         13         GND           3         N/C         18         0.1         IC8006         14         7.1           4         -22.0         IC8003         PIN         VOLT         15         GND           5         22.0         PIN         VOLT         1         0.1         16         3.2           6         -0.3         1         1.3         2         5.0         17         2.6           7         -0.3         2         15.0         3         4.5         18         9.1           8         -22.0         3         -13.1         4         GND         IC8009           9         -0.5         4         -15.0         5         0.0         PIN         VOLT           10         22.0         5         0.4         6         5.0         1         98.2           11         0.1         6         15.0         7         0.1         2         98.2           12         -22.0         7         1.   |     |       |     |       |        |      |           |               |
|--|-----|-------|-----|-------|--------|------|-----------|---------------|
| 1         GND         16         0         17         2.6         12         7.4           2         4.3         17         -22         18         9.1         13         GND           3         N/C         18         0.1         IC8006         14         7.1           4         -22.0         IC803         PIN         VOLT         15         GND           5         22.0         PIN         VOLT         1         0.1         16         3.2           6         -0.3         1         1.3         2         5.0         17         2.6           7         -0.3         2         15.0         3         4.5         18         9.1           8         -22.0         3         -13.1         4         GND         IC8009           9         -0.5         4         -15.0         5         0.0         PIN         VOLT           10         22.0         5         0.4         6         5.0         1         98.2           11         0.1         6         15.0         7         0.1         2         98.2           12         -22.0         7         1.  | IC8 | 8001  | 14  | 0.3   | 15     | GND  | 10        | 7.4           |
| 2         4.3         17         -22         18         9.1         13         GND           3         N/C         18         0.1         IC8006         14         7.1           4         -22.0         IC8003         PIN         VOLT         15         GND           5         22.0         PIN         VOLT         1         0.1         16         3.2           6         -0.3         1         1.3         2         5.0         17         2.6           7         -0.3         2         15.0         3         4.5         18         9.1           8         -22.0         3         -13.1         4         GND         IC8009           9         -0.5         4         -15.0         5         0.0         PIN         VOLT           10         22.0         5         0.4         6         5.0         1         98.2           11         0.1         6         15.0         7         0.1         2         98.2           12         -22.0         7         1.3         8         15.0         1         97.8           14         0.0         PIN         <  | PIN | VOLT  | 15  | 0     | 16     | 3.2  | 11        | 7.4           |
| N/C   18   | 1   | GND   | 16  | 0     | 17     | 2.6  | 12        | 7.4           |
| 1  | 2   | 4.3   | 17  | -22   | 18     | 9.1  | 13        | GND           |
| 5         22.0         PIN         VOLT         1         0.1         16         3.2           6         -0.3         1         1.3         2         5.0         17         2.6           7         -0.3         2         15.0         3         4.5         18         9.1           8         -22.0         3         -13.1         4         GND         IC8009           9         -0.5         4         -15.0         5         0.0         PIN         VOLT           10         22.0         5         0.4         6         5.0         1         98.2           11         0.1         6         15.0         7         0.1         2         98.2           12         -22.0         7         1.3         8         15.0         3         94.0           13         0.0         IC8004         IC8007         4         97.8         1           14         0.0         PIN         VOLT         PIN         VOLT         5         101.1           15         0.0         I         15.0         1         0.1         IC8010           17         -22.0         G   | 3   | N/C   | 18  | 0.1   | IC8    | 3006 | 14        | 7.1           |
| 6         -0.3         1         1.3         2         5.0         17         2.6           7         -0.3         2         15.0         3         4.5         18         9.1           8         -22.0         3         -13.1         4         GND         IC8009           9         -0.5         4         -15.0         5         0.0         PIN         VOLT           10         22.0         5         0.4         6         5.0         1         98.2           11         0.1         6         15.0         7         0.1         2         98.2           12         -22.0         7         1.3         8         15.0         3         94.0           13         0.0         IC8004         IC8007         4         97.8         97.8           14         0.0         PIN         VOLT         PIN         VOLT         5         101.1         10   | 4   | -22.0 | IC8 | 003   | PIN    | VOLT | 15        | GND           |
| 7         -0.3         2         15.0         3         4.5         18         9.1           8         -22.0         3         -13.1         4         GND         IC8009           9         -0.5         4         -15.0         5         0.0         PIN         VOLT           10         22.0         5         0.4         6         5.0         1         98.2           11         0.1         6         15.0         7         0.1         2         98.2           12         -22.0         7         1.3         8         15.0         3         94.0           13         0.0         IC8004         IC8007         4         97.8           14         0.0         PIN         VOLT         PIN         VOLT         5         101.1           15         0.0         I         15.0         1         0.1         IC8010           16         0.0         O         12.0         2         5.0         PIN         VOLT           17         -22.0         G         GND         3         4.0         I         7.0           18         0.1         IC8005         4   | 5   | 22.0  | PIN | VOLT  | 1      | 0.1  | 16        | 3.2           |
| 8         -22.0         3         -13.1         4         GND         IC8009           9         -0.5         4         -15.0         5         0.0         PIN         VOLT           10         22.0         5         0.4         6         5.0         1         98.2           11         0.1         6         15.0         7         0.1         2         98.2           12         -22.0         7         1.3         8         15.0         3         94.0           13         0.0         IC8004         IC8007         4         97.8           14         0.0         PIN         VOLT         PIN         VOLT         5         101.1           15         0.0         I         15.0         1         0.1         IC8010           16         0.0         O         12.0         2         5.0         PIN         VOLT           17         -22.0         G         GND         3         4.0         I         7.0           18         0.1         IC8005         4         GND         O         5.0           IC8002         PIN         VOLT         5         0.0 </td <td>6</td> <td>-0.3</td> <td>1</td> <td>1.3</td> <td>2</td> <td>5.0</td> <td>17</td> <td>2.6</td>                                     | 6   | -0.3  | 1   | 1.3   | 2      | 5.0  | 17        | 2.6           |
| 9  | 7   | -0.3  | 2   | 15.0  | 3      | 4.5  | 18        | 9.1           |
| 10         22.0         5         0.4         6         5.0         1         98.2           11         0.1         6         15.0         7         0.1         2         98.2           12         -22.0         7         1.3         8         15.0         3         94.0           13         0.0         IC8004         IC8007         4         97.8           14         0.0         PIN         VOLT         PIN         VOLT         5         101.1           15         0.0         I         15.0         1         0.1         IC8010           16         0.0         O         12.0         2         5.0         PIN         VOLT           17         -22.0         G         GND         3         4.0         I         7.0           18         0.1         IC8005         4         GND         O         5.0           IC8002         PIN         VOLT         5         0.0         G         GND           1         GND         2         12.0         7         0.1         PIN         VOLT           2         4.3         3         5.8         8   | 8   | -22.0 | 3   | -13.1 | 4      | GND  | IC        | 3009          |
| 11         0.1         6         15.0         7         0.1         2         98.2           12         -22.0         7         1.3         8         15.0         3         94.0           13         0.0         IC8004         IC8007         4         97.8           14         0.0         PIN         VOLT         PIN         VOLT         5         101.1           15         0.0         I         15.0         1         0.1         IC8010         1         10.1         IC8010           16         0.0         O         12.0         2         5.0         PIN         VOLT         1         7.0         1         7.0         1         7.0         1         7.0         1         7.0         1         7.0         1         7.0         1         7.0         1         7.0         1         8.0         1         7.0         1         7.0         1         7.0         1         7.0         1         7.0         1         7.0         1         7.0         1         7.0         1         7.0         1         7.0         1         7.0         1         7.0         1         7.0         1 <td>9</td> <td>-0.5</td> <td>4</td> <td>-15.0</td> <td>5</td> <td>0.0</td> <td>PIN</td> <td>VOLT</td> | 9   | -0.5  | 4   | -15.0 | 5      | 0.0  | PIN       | VOLT          |
| 12         -22.0         7         1.3         8         15.0         3         94.0           13         0.0         IC8004         IC8007         4         97.8           14         0.0         PIN         VOLT         PIN         VOLT         5         101.1           15         0.0         I         15.0         1         0.1         IC8010           16         0.0         O         12.0         2         5.0         PIN         VOLT           17         -22.0         G         GND         3         4.0         I         7.0           18         0.1         IC8005         4         GND         O         5.0           IC8002         PIN         VOLT         5         0.0         G         GND           PIN         VOLT         5         0.0         G         GND           1         GND         2         12.0         7         0.1         PIN         VOLT           2         4.3         3         5.8         8         15.0         1         2.7           3         N/C         4         GND         IC8008         2         2.1  | 10  | 22.0  | 5   | 0.4   | 6      | 5.0  | 1         | 98.2          |
| 13         0.0         IC8004         IC8007         4         97.8           14         0.0         PIN         VOLT         PIN         VOLT         5         101.1           15         0.0         I         15.0         1         0.1         IC8010           16         0.0         O         12.0         2         5.0         PIN         VOLT           17         -22.0         G         GND         3         4.0         I         7.0           18         0.1         IC8005         4         GND         O         5.0           IC8002         PIN         VOLT         5         0.0         G         GND           PIN         VOLT         1         12.0         6         5.0         IC8012           1         GND         2         12.0         7         0.1         PIN         VOLT           2         4.3         3         5.8         8         15.0         1         2.7           3         N/C         4         GND         IC8008         2         2.1           4         -22.0         5         3.8         PIN         VOLT         3  | 11  | 0.1   | 6   | 15.0  | 7      | 0.1  | 2         | 98.2          |
| 14   | 12  | -22.0 | 7   | 1.3   | 8      | 15.0 | 3         | 94.0          |
| 15   | 13  | 0.0   | IC8 | 004   | IC8007 |      | 4         | 97.8          |
| 16         0.0         O         12.0         2         5.0         PIN         VOLT           17         -22.0         G         GND         3         4.0         I         7.0           18         0.1         IC8005         4         GND         O         5.0           IC8002         PIN         VOLT         5         0.0         G         GND           PIN         VOLT         1         12.0         6         5.0         IC8012           1         GND         2         12.0         7         0.1         PIN         VOLT           2         4.3         3         5.8         8         15.0         1         2.7           3         N/C         4         GND         IC8008         2         2.1           4         -22.0         5         3.8         PIN         VOLT         3         2.1           5         22.0         6         3.8         1         12.0         4         GND           6         -0.1         7         3.8         2         12.0         5         GND           7         -0.1         8         N/C         3   | 14  | 0.0   | PIN | VOLT  | PIN    | VOLT | 5         | 101.1         |
| 17         -22.0         G         GND         3         4.0         I         7.0           18         0.1         IC8005         4         GND         O         5.0           IC8002         PIN         VOLT         5         0.0         G         GND           PIN         VOLT         1         12.0         6         5.0         IC8012           1         GND         2         12.0         7         0.1         PIN         VOLT           2         4.3         3         5.8         8         15.0         1         2.7           3         N/C         4         GND         IC8008         2         2.1           4         -22.0         5         3.8         PIN         VOLT         3         2.1           5         22.0         6         3.8         1         12.0         4         GND           6         -0.1         7         3.8         2         12.0         5         GND           7         -0.1         8         N/C         3         6.0         6         0.0           8         -22.0         9         3.8         4  | 15  | 0.0   | ı   | 15.0  | 1      | 0.1  | IC8010    |               |
| IC8002         PIN         VOLT         5         0.0         G         GND           PIN         VOLT         1         12.0         6         5.0         IC8012           1         GND         2         12.0         7         0.1         PIN         VOLT           2         4.3         3         5.8         8         15.0         1         2.7           3         N/C         4         GND         IC8008         2         2.1           4         -22.0         5         3.8         PIN         VOLT         3         2.1           5         22.0         6         3.8         1         12.0         4         GND           6         -0.1         7         3.8         2         12.0         5         GND           7         -0.1         8         N/C         3         6.0         6         0.0           8         -22.0         9         3.8         4         GND         7         0.0           9         0.0         10         3.6         5         8.0         8         12.0           10         22.0         11         3.6  | 16  | 0.0   | 0   | 12.0  |        | 5.0  | PIN       | VOLT          |
| IC8002   | 17  | -22.0 | G   | GND   | 3      | 4.0  | _         | 7.0           |
| PIN         VOLT         1         12.0         6         5.0         IC8012           1         GND         2         12.0         7         0.1         PIN         VOLT           2         4.3         3         5.8         8         15.0         1         2.7           3         N/C         4         GND         IC8008         2         2.1           4         -22.0         5         3.8         PIN         VOLT         3         2.1           5         22.0         6         3.8         1         12.0         4         GND           6         -0.1         7         3.8         2         12.0         5         GND           7         -0.1         8         N/C         3         6.0         6         0.0           8         -22.0         9         3.8         4         GND         7         0.0           9         0.0         10         3.6         5         8.0         8         12.0           10         22.0         11         3.6         6         7.4         All voltages are in V           11         0.5         12  | 18  | 0.1   | IC8 | 005   | 4      | GND  | 0         | 5.0           |
| 1         GND         2         12.0         7         0.1         PIN         VOLT           2         4.3         3         5.8         8         15.0         1         2.7           3         N/C         4         GND         IC8008         2         2.1           4         -22.0         5         3.8         PIN         VOLT         3         2.1           5         22.0         6         3.8         1         12.0         4         GND           6         -0.1         7         3.8         2         12.0         5         GND           7         -0.1         8         N/C         3         6.0         6         0.0           8         -22.0         9         3.8         4         GND         7         0.0           9         0.0         10         3.6         5         8.0         8         12.0           10         22.0         11         3.6         6         7.4         All voltages are in V           11         0.5         12         3.6         7         7.4         All voltages are in V   | IC8 | 3002  | PIN | VOLT  | 5      | 0.0  | G         | GND           |
| 2     4.3     3     5.8     8     15.0     1     2.7       3     N/C     4     GND     IC8008     2     2.1       4     -22.0     5     3.8     PIN     VOLT     3     2.1       5     22.0     6     3.8     1     12.0     4     GND       6     -0.1     7     3.8     2     12.0     5     GND       7     -0.1     8     N/C     3     6.0     6     0.0       8     -22.0     9     3.8     4     GND     7     0.0       9     0.0     10     3.6     5     8.0     8     12.0       10     22.0     11     3.6     6     7.4     All voltages are in V       11     0.5     12     3.6     7     7.4       12     -22.0     13     GND     8     N/C   | PIN | VOLT  | 1   | 12.0  | 6      | 5.0  | IC        | 012           |
| 3         N/C         4         GND         IC8008         2         2.1           4         -22.0         5         3.8         PIN         VOLT         3         2.1           5         22.0         6         3.8         1         12.0         4         GND           6         -0.1         7         3.8         2         12.0         5         GND           7         -0.1         8         N/C         3         6.0         6         0.0           8         -22.0         9         3.8         4         GND         7         0.0           9         0.0         10         3.6         5         8.0         8         12.0           10         22.0         11         3.6         6         7.4         All voltages are in V           11         0.5         12         3.6         7         7.4         All voltages are in V  | 1   | GND   | 2   | 12.0  | 7      | 0.1  | PIN       | VOLT          |
| 4         -22.0         5         3.8         PIN         VOLT         3         2.1           5         22.0         6         3.8         1         12.0         4         GND           6         -0.1         7         3.8         2         12.0         5         GND           7         -0.1         8         N/C         3         6.0         6         0.0           8         -22.0         9         3.8         4         GND         7         0.0           9         0.0         10         3.6         5         8.0         8         12.0           10         22.0         11         3.6         6         7.4         All voltages are in V           11         0.5         12         3.6         7         7.4         All voltages are in V           12         -22.0         13         GND         8         N/C         N/C   | 2   | 4.3   | 3   | 5.8   | 8      | 15.0 | 1         | 2.7           |
| 5         22.0         6         3.8         1         12.0         4         GND           6         -0.1         7         3.8         2         12.0         5         GND           7         -0.1         8         N/C         3         6.0         6         0.0           8         -22.0         9         3.8         4         GND         7         0.0           9         0.0         10         3.6         5         8.0         8         12.0           10         22.0         11         3.6         6         7.4         All voltages are in V           11         0.5         12         3.6         7         7.4           12         -22.0         13         GND         8         N/C  | 3   | N/C   | 4   | GND   | IC8008 |      | 2         | 2.1           |
| 6         -0.1         7         3.8         2         12.0         5         GND           7         -0.1         8         N/C         3         6.0         6         0.0           8         -22.0         9         3.8         4         GND         7         0.0           9         0.0         10         3.6         5         8.0         8         12.0           10         22.0         11         3.6         6         7.4         All voltages are in V           11         0.5         12         3.6         7         7.4           12         -22.0         13         GND         8         N/C  | 4   | -22.0 | 5   | 3.8   | PIN    | VOLT | 3         | 2.1           |
| 7         -0.1         8         N/C         3         6.0         6         0.0           8         -22.0         9         3.8         4         GND         7         0.0           9         0.0         10         3.6         5         8.0         8         12.0           10         22.0         11         3.6         6         7.4         All voltages are in V           11         0.5         12         3.6         7         7.4           12         -22.0         13         GND         8         N/C  |     |       | 6   | 3.8   | •      |      | •         | GND           |
| 8     -22.0     9     3.8     4     GND     7     0.0       9     0.0     10     3.6     5     8.0     8     12.0       10     22.0     11     3.6     6     7.4     All voltages are in V       11     0.5     12     3.6     7     7.4       12     -22.0     13     GND     8     N/C   | 6   | -0.1  | 7   | 3.8   | 2      | 12.0 | 5         | GND           |
| 9     0.0     10     3.6     5     8.0     8     12.0       10     22.0     11     3.6     6     7.4     All voltages are in V       11     0.5     12     3.6     7     7.4       12     -22.0     13     GND     8     N/C   | 7   | -0.1  | 8   | N/C   | 3      | 6.0  | 6         | 0.0           |
| 10         22.0         11         3.6         6         7.4         All voltages are in V           11         0.5         12         3.6         7         7.4           12         -22.0         13         GND         8         N/C   | 8   | -22.0 | 9   | 3.8   | 4      | GND  | 7         | 0.0           |
| 11 0.5 12 3.6 7 7.4<br>12 -22.0 13 GND 8 N/C   | 9   | 0.0   | 10  | 3.6   | 5      | 8.0  | 8         | 12.0          |
| 12 -22.0 13 GND 8 N/C  | 10  | 22.0  | 11  | 3.6   | 6      | 7.4  | All volta | ages are in V |
|  | 11  | 0.5   | 12  | 3.6   | 7      | 7.4  |           |               |
| 13 0.3 14 7.1 9 3.3  | 12  | -22.0 | 13  | GND   | 8      | N/C  |           |               |
|  | 13  | 0.3   | 14  | 7.1   | 9      | 3.3  |           |               |

# D BOARD TRANSISTOR LIST

|       | В     | С     | E     |       | В    | С     | E   |
|-------|-------|-------|-------|-------|------|-------|-----|
| Q8001 | -0.4  | 15.0  | 0.1   | Q8022 | 0.0  | 8.9   | GND |
| Q8002 | 0     | 13.0  | GND   | Q8023 | -0.5 | 68.0  | GND |
| Q8003 | 14.6  | 0.0   | 14.6  | Q8024 | 0.1  | 242.0 | GND |
| Q8004 | 3.4   | GND   | 4.0   | Q8028 | 0.5  | 0.0   | GND |
| Q8005 | 3.4   | GND   | 4.1   | Q8029 | 0.5  | 0.0   | GND |
| Q8007 | 5.8   | 204.0 | 5.2   | Q8030 | 3.4  | GND   | 4.0 |
| Q8008 | 2.8   | -22.0 | 3.3   | Q8031 | 0.2  | 12.0  | 0.6 |
| Q8009 | 4.0   | 22.0  | 3.4   | Q8032 | 3.4  | 4.1   | GND |
| Q8010 | 4.5   | 22.0  | 4.0   | Q8036 | 8.9  | GND   | 8.7 |
| Q8011 | 2.3   | -22.0 | 2.7   | Q8037 | 8.9  | 14.6  | 8.7 |
| Q8014 | -20.0 | 2.3   | -20.6 | Q8039 | 2.7  | 76.7  | 2.1 |
| Q8015 | 2.9   | 4.5   | 2.3   | Q8041 | 3.4  | GND   | 8.9 |
| Q8016 | -0.3  | 7.4   | GND   | Q8042 | 9.6  | 29.8  | GND |
| Q8019 | 7.4   | GND   | 7.2   | Q8043 | 8.9  | 192.0 | 0.1 |
| Q8020 | 7.4   | 12.0  | 7.2   | Q8044 | 0.6  | 0.0   | GND |
| Q8021 | 0.0   | 8.9   | GND   | Q8101 | 0.2  | GND   | 0.6 |
|       |       |       | ·     | Q8038 | 8.9  | 192.0 | 0.6 |

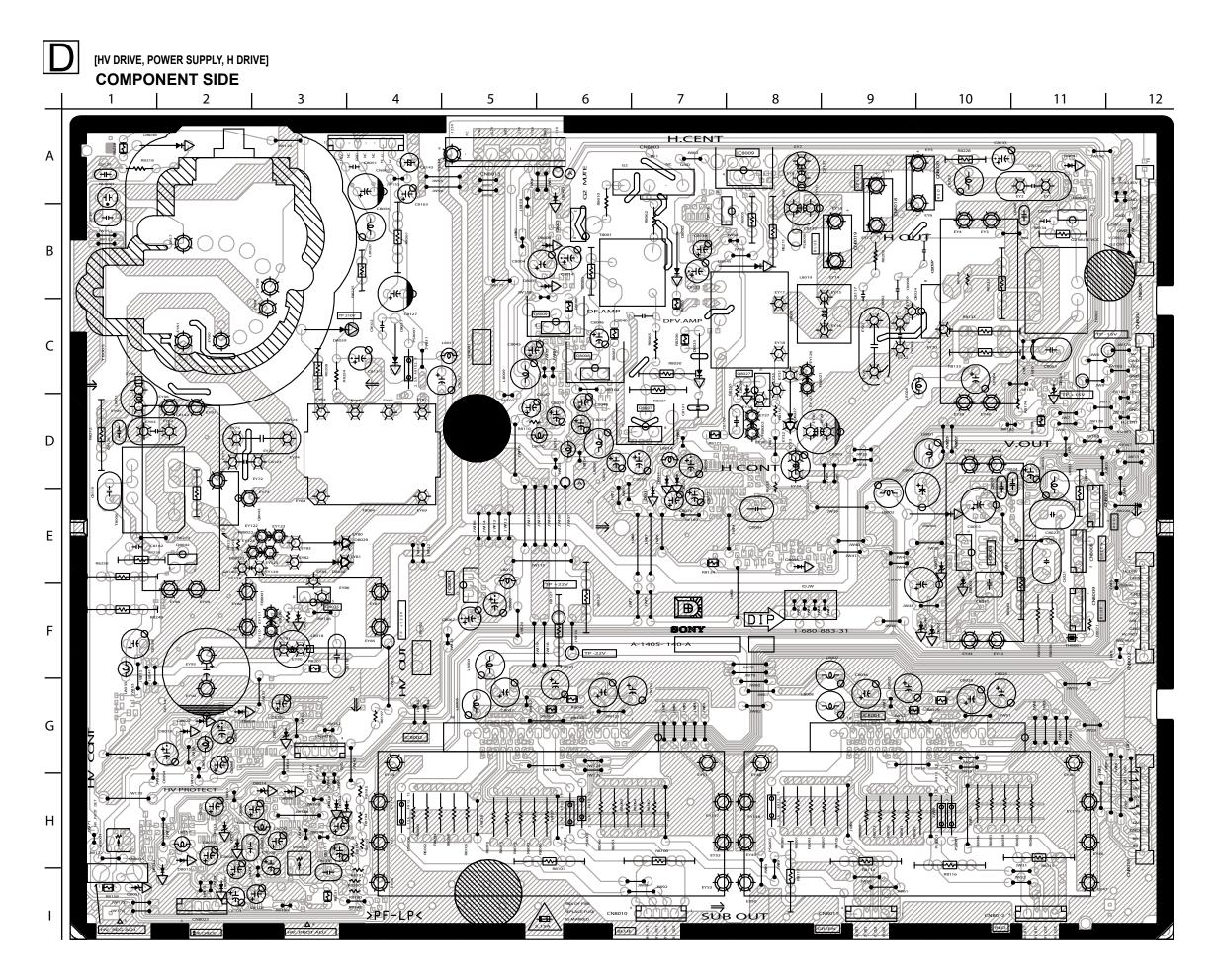
All voltages are in V.

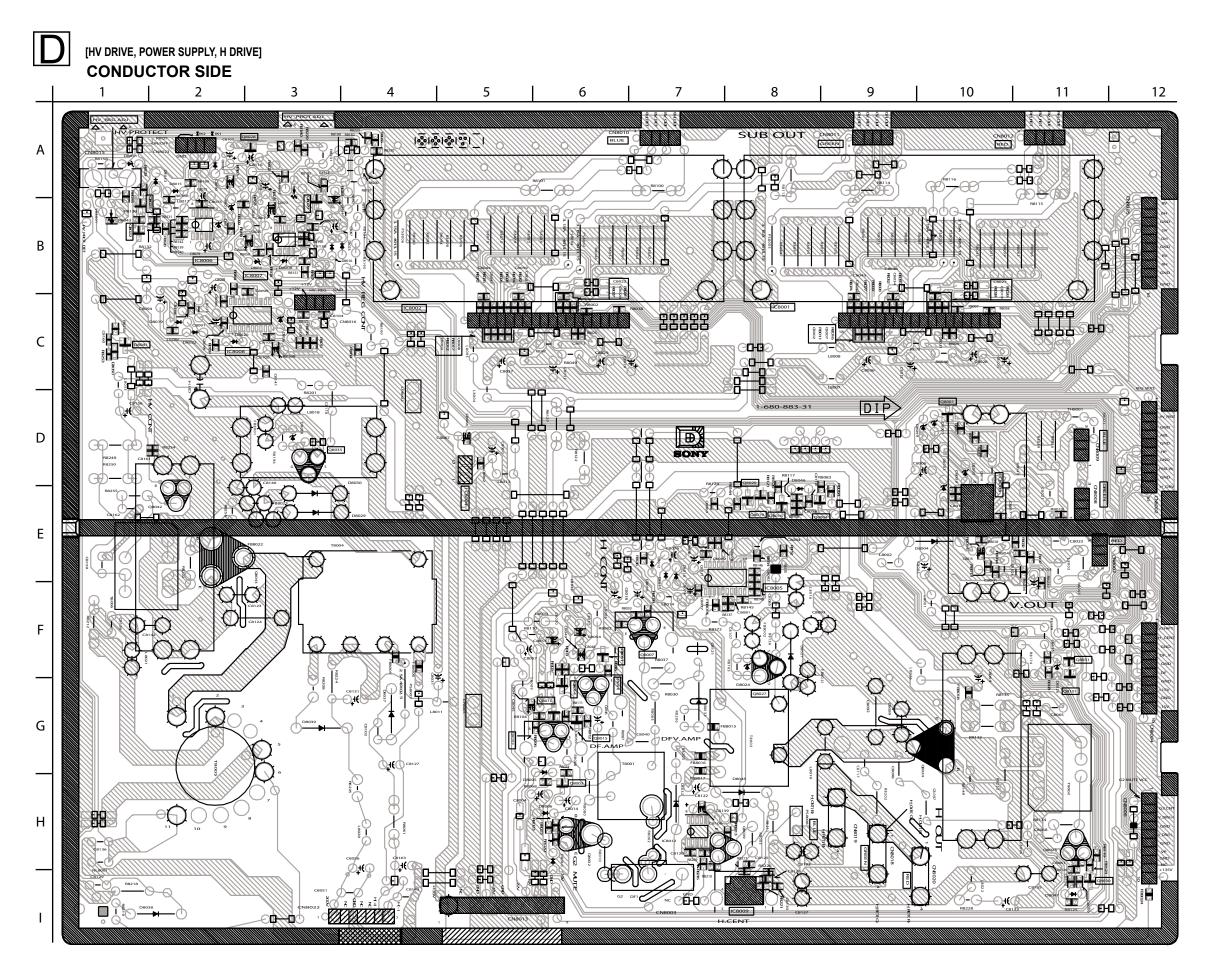
 D
 G
 S

 Q8027
 115.6
 130.9
 135.9

 Q8035
 115.6
 130.9
 135.9

All voltages are in V.

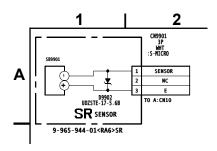


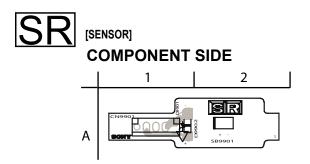


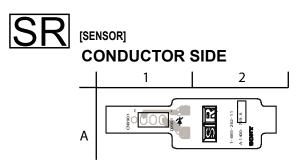
#### D BOARD LOCATOR LIST

| DIO   | DE   | IC     | ,          |
|-------|------|--------|------------|
| D8001 | D-10 | IC8001 |            |
| D8002 | D-10 | IC8002 | C-8<br>C-4 |
| D8003 | D-10 | IC8003 | E-10       |
| D8004 | E-10 | IC8004 | E-5        |
| D8005 | H-6  | IC8005 | F-8        |
| D8006 | H-6  | IC8006 | B-2        |
| D8007 | D-10 | IC8007 | B-3        |
| D8008 | B-3  | IC8008 | C-2        |
| D8009 | C-1  | IC8009 | I-8        |
| D8010 | E-11 | IC8012 | H-7        |
| D8011 | E-11 | TRANSI |            |
| D8012 | E-11 | Q8001  | D-10       |
| D8013 | B-2  | Q8002  | H-6        |
| D8014 | B-3  | Q8003  | H-6        |
| D8015 | A-2  | Q8004  | E-9        |
| D8016 | B-3  | Q8005  | C-1        |
| D8019 | C-2  | Q8007  | F-7        |
| D8020 | C-2  | Q8008  | G-6        |
| D8021 | F-9  | Q8009  | G-5        |
| D8022 | C-2  | Q8010  | G-6        |
| D8023 | B-3  | Q8011  | F-6        |
| D8024 | G-7  | Q8014  | G-6        |
| D8025 | A-2  | Q8015  | G-6        |
| D8026 | G-11 | Q8016  | E-8        |
| D8027 | F-8  | Q8019  | E-8        |
| D8028 | D-3  | Q8020  | D-8        |
| D8029 | E-4  | Q8021  | B-1        |
| D8030 | E-4  | Q8022  | B-1        |
| D8031 | D-2  | Q8023  | H-11       |
| D8032 | H-7  | Q8024  | G-10       |
| D8033 | G-7  | Q8027  | F-8        |
| D8034 | E-2  | Q8028  | A-2        |
| D8035 | E-2  | Q8029  | B-3        |
| D8036 | C-3  | Q8030  | I-11       |
| D8037 | G-4  | Q8031  | F-11       |
| D8038 | I-2  | Q8032  | C-1        |
| D8039 | G-4  | Q8035  | D-3        |
| D8043 | B-1  | Q8036  | D-1        |
| D8045 | H-8  | Q8037  | D-1        |
| D8046 | D-8  | Q8038  | D-1        |
| D8047 | I-11 | Q8039  | H-8        |
|       |      | Q8101  | G-11       |

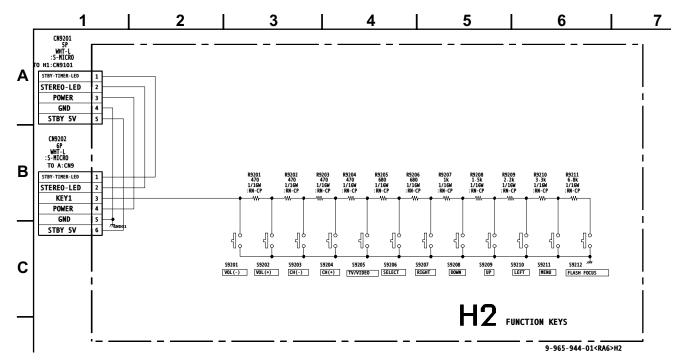
### **SR BOARD SCHEMATIC DIAGRAM**

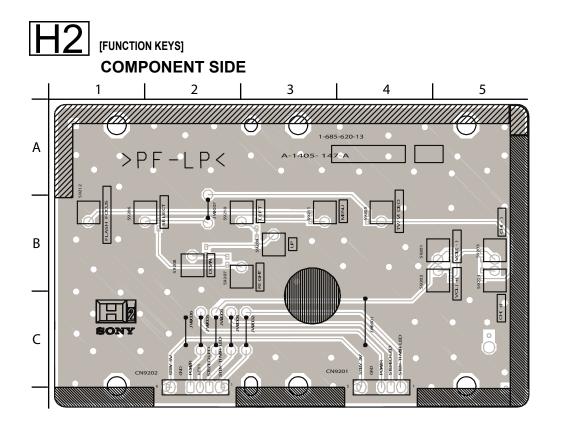


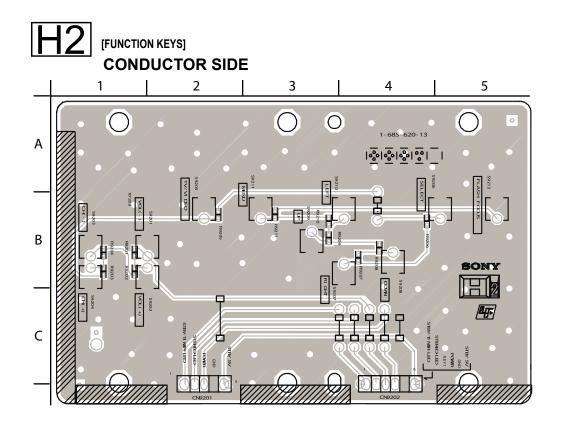




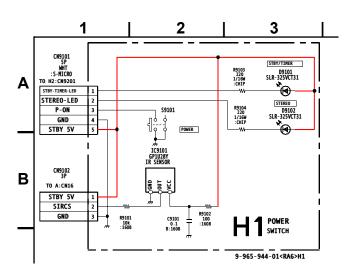
#### **H2 BOARD SCHEMATIC DIAGRAM**

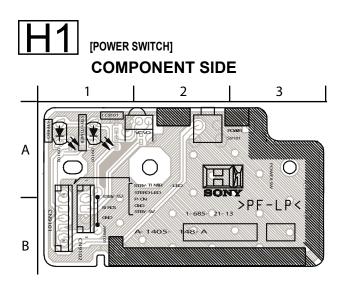


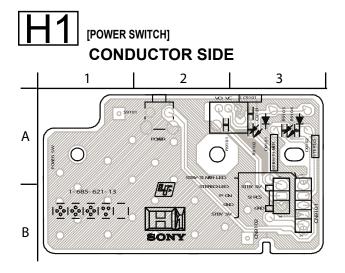




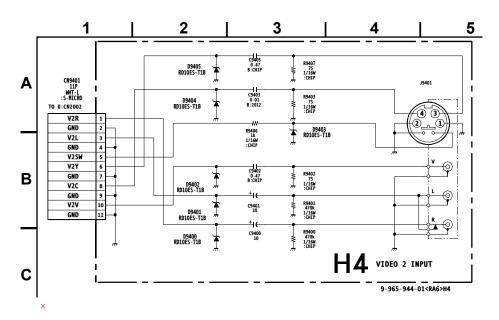
### **H1 BOARD SCHEMATIC DIAGRAM**

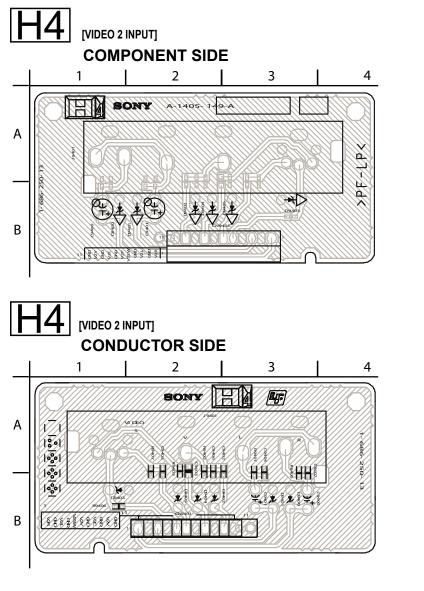






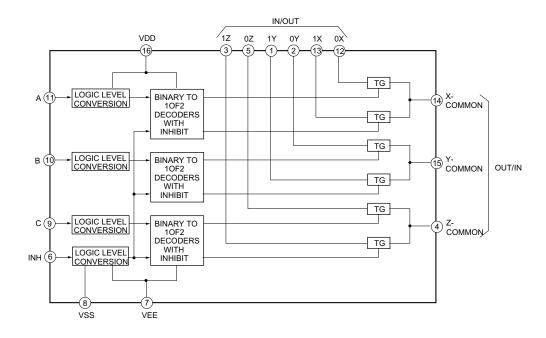
### **H4 BOARD SCHEMATIC DIAGRAM**



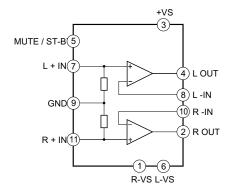


#### 5-5. IC BLOCK DIAGRAMS

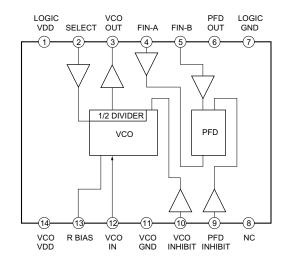
## A BOARD IC305, 307 SN74LV4053ANSR



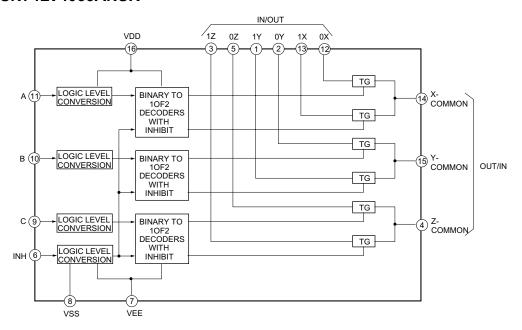
# IC305, TDA7265



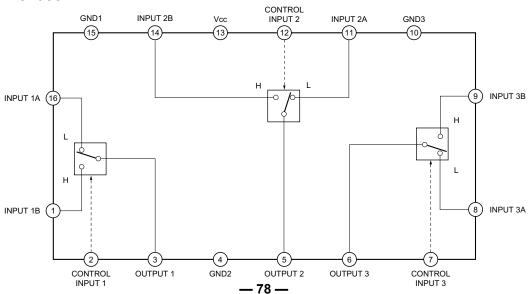
## B BOARD IC3305, 3404 TLC2932IPWR



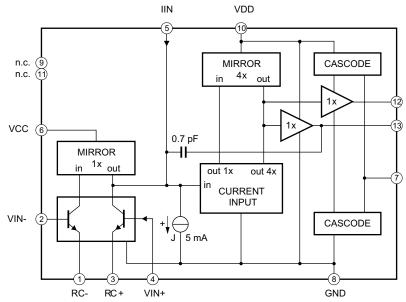
#### IC3413 SN74LV4053ANSR



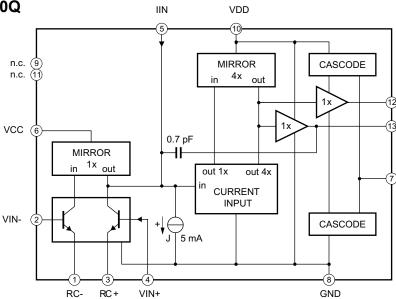
#### IC3414 M52055P



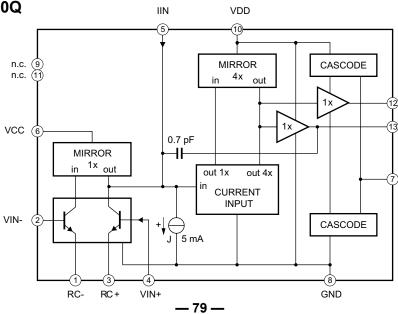
### CR BOARD IC7101 TDA6120Q



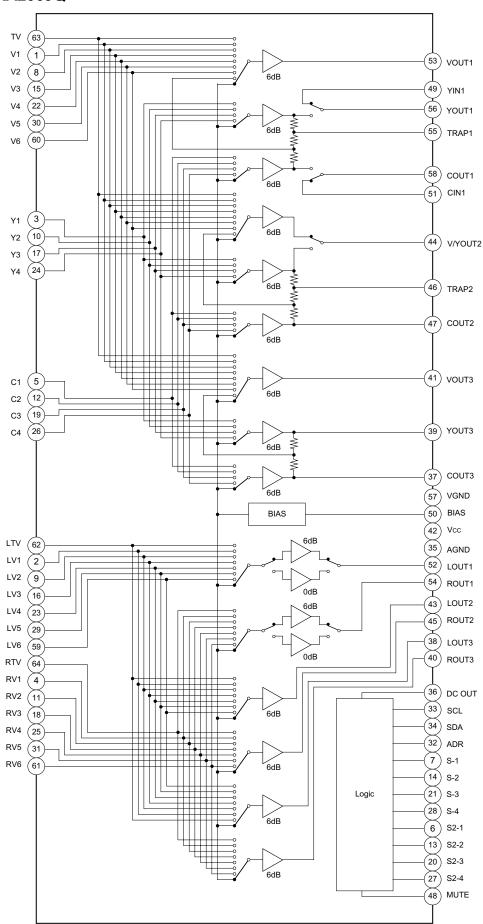
### CG BOARD IC7201 TDA6120Q



### CB BOARD IC7301 TDA6120Q



### U BOARD IC2004 CXA2069Q



### 5-6. SEMICONDUCTORS

21DP05 D1NL40-TR2 D1NS4 D2L20U EL1Z GP08DPKG23 RD10ES-B2 RD15ES-B2 RD18ES-B2 RD20ES-B2 RD5.6ES-B2 RGP02-17EL-6433 UF4005PKG23



1SS133T-77 30DF4N-FC5 ERC04-06SE ERC91-02



1SS226



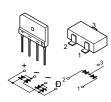
1S355TE-17 DTZ-10B DTZ-TT11-6.8B UDZS-TE-17-7.5B UDZ-TE-17-10B UDZS-TE-17-18B UDZS-TE-17-22B UDZS-TE-17-24B UDZS-TE-17-3.9B UDZS-TE-17-33B UDZS-TE-17-4.7B UDZS-TE-17-5.1B UDZS-TE-17-5.6B UDZS-TE-17-6.2B UDZS-TE-17-9.1B



D1NL20U-TR



D4SBS4-F D6SB60L



DAN202K-T-146



DAN202U



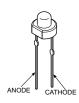
DAP202K



MTZJ-T-77-13 MTZJ-T-77-22B



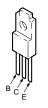
SLR-325VCT31



BA033T NJM7812FA TA7812S



BA05T



BA9759F-E2



18pin SOP

CD0031AM

888888888



нинининий 48pin SOP



120pin QFP

CXA2151Q CXD2013Q-T6



CXD2073Q-T4



32pin QFP



16pin SOP

CXA1726AM NJM2180M



CXA2069Q CXP85840A-039Q CXP86448-635Q CX2150AQ



DM-58



MARKING SIDE VIEW ¥pin 1 ~ N ¥Mt (one side, both side)

14pin DIP LA78045



M24C08-MN6T M24C32-WMN6T NJM2068V NJM2904M UPC4558G2



8pin SOP



M306V2ME-175FP

MSM514265C-60JS

TOP VIEW



NJM2395AF05 PQ09RF21



NJM2903M UPC393C



NJM7905FA



NJW1148



48pin QFP

PQ1CG2032FZ

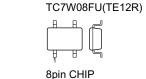


PST9143NL PST9145NL



5pin CHIP





TDA6120Q / N2/S2





11pin ZIP



<del>Janananaa</del> 14pin SOP

AAAAAAAAAA



2SA1358-Y 2SA3421-Y



2SA1037AK-T146R 2SA1226-T1E3E4 2SC1623-L516 2SD601A-QRS-TX DTC114EKA-T146 DTC144EKA-T146



2SA2005 2SC5511



2SC2688-LK LETTER SIDE



2SC4634LS-CB11



2SK2036(TE85L)



IRFIB7N50A



### **SECTION 6: EXPLODED VIEWS**

Components not identified by a part number or description are not stocked because they are seldom required for routine service.

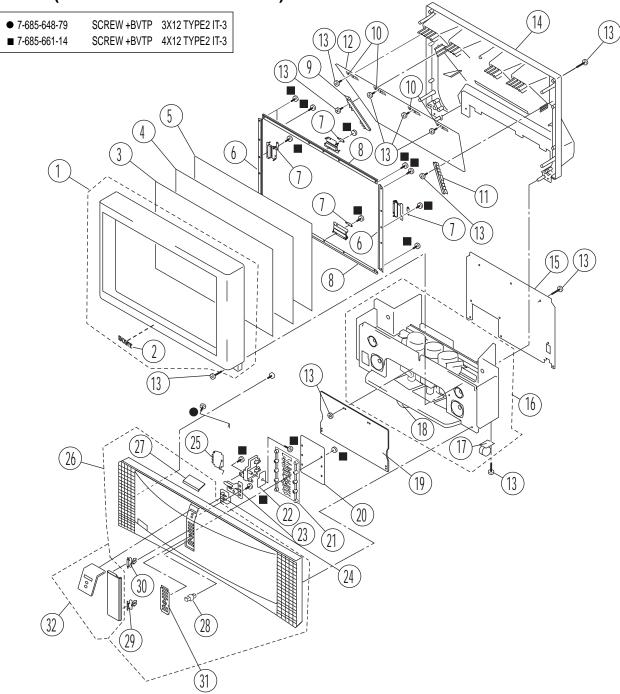
The component parts of an assembly are indicated by the reference numbers in the far right column of the parts list and within the dotted lines of the diagram.

\* Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

NOTE: The components identified by shading and  $\triangle$  mark are critical for safety. Replace only with part number specified.

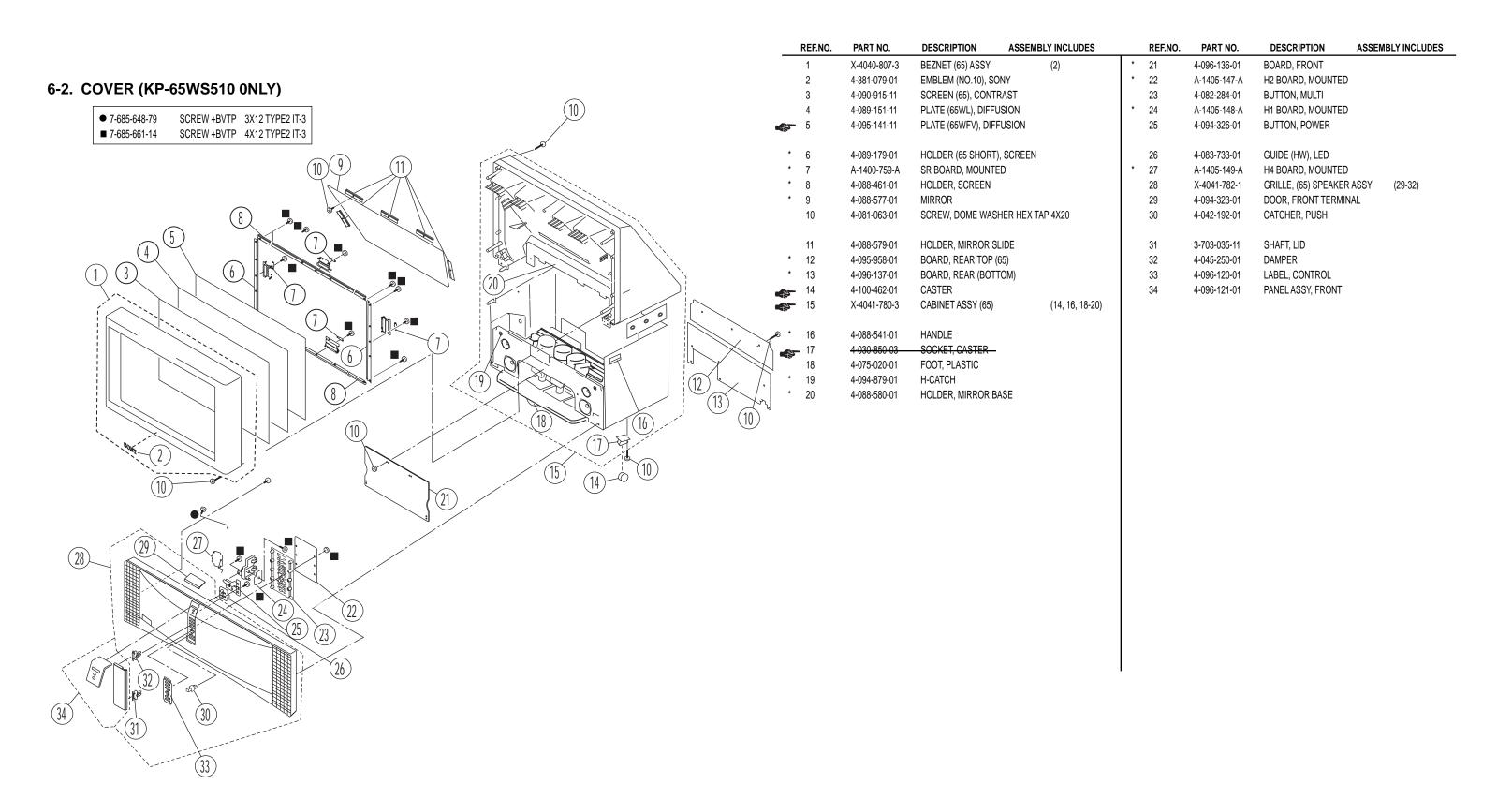
NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

# 6-1. COVER (KP-51WS510/57WS510 ONLY)



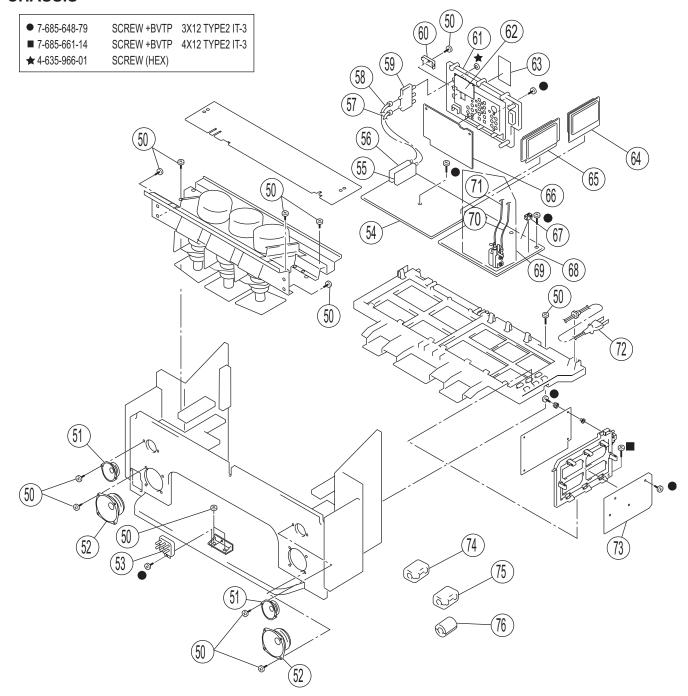
#### KP-51WS510/57WS510/65WS510

|   | REF.NO. | PART NO.     | DESCRIPTION          | ASSEMBLY INCLUDES |   | REF.NO. | PART NO.     | DESCRIPTION            | ASSEMBLY INCLUDES |
|---|---------|--------------|----------------------|-------------------|---|---------|--------------|------------------------|-------------------|
|   | 1       | X-4040-804-2 | BEZEL (51) ASSY      | (2)               |   | 12      | 4-084-615-01 | MIRROR (51)            |                   |
|   |         |              | (KP-51WS510 ONLY)    |                   |   |         |              | (KP-51WS510 ONLY)      |                   |
|   | 1       | X-4040-796-2 | BEZEL (57) ASSY      | (2)               |   | 12      | 4-084-561-02 | MIRROR (57)            |                   |
|   |         |              | (KP-57WS510 ONLY)    |                   |   |         |              | (KP-57WS510 ONLY)      |                   |
|   | 2       | 3-704-179-01 | EMBLEM (NO.9), SONY  | ,                 |   | 13      | 4-081-063-01 | SCREW, DOME WASHER     | R HEX TAP 4X20    |
|   |         |              | (KP-51WS510 ONLY)    |                   | * | 14      | 4-083-467-01 | COVER (51), MIRROR     |                   |
|   | 2       | 4-381-079-01 | EMBLEM (NO.10), SON  | Υ                 |   |         |              | (KP-51WS510 ONLY)      |                   |
|   |         |              | (KP-57WS510 ONLY)    |                   |   | 14      | X-4039-824-1 | COVER (57) ASSY, MIRR  | OR                |
|   | 3       | 4-090-910-11 | SCREEN (51), CONTRA  | AST               |   |         |              | (KP-57WS510 ONLY)      |                   |
|   |         |              | (KP-51WS510 ONLY)    |                   | * | 15      | 4-096-113-01 | BOARD, REAR            |                   |
|   | 3       | 4-090-881-11 | SCREEN (57), CONTRA  | AST               |   |         |              | (KP-51WS510 ONLY)      |                   |
|   |         |              | (KP-57WS510 ONLY)    |                   | * | 15      | 4-090-883-01 | BOARD (57), REAR       |                   |
|   |         |              |                      |                   |   |         |              | (KP-57WS510 ONLY)      |                   |
|   | 4       | 4-095-388-11 | PLATE (51WL), DIFFUS | ION               | * | 16      | X-4041-777-1 | CABINET ASSY, BOTTON   | 1 (17-18)         |
|   |         |              | (KP-51WS510 ONLY)    |                   |   |         |              | (KP-51WS510 ONLY)      |                   |
|   | 4       | 4-095-924-11 | PLATE (57WL), DIFFUS | ION               | * | 16      | X-4041-784-1 | CABINET (57), ASSY     | (17-18)           |
|   |         |              | (KP-57WS510 ONLY)    |                   |   |         |              | (KP-57WS510 ONLY)      |                   |
|   | 5       | 4-081-953-11 | PLATE (51WFV), DIFFU | ISION             |   | 17      | 4-040-755-01 | CASTER (DIA. 30)       |                   |
|   |         |              | (KP-51WS510 ONLY)    |                   |   |         |              | (KP-51WS510/57WS510    | ONLY)             |
|   | 5       | 4-081-950-11 | PLATE (57WFV), DIFFU | ISION             |   | 18      | 4-075-020-01 | FOOT, PLASTIC          |                   |
|   |         |              | (KP-57WS510 ONLY)    |                   | * | 19      | 4-096-114-01 | BOARD, FRONT           |                   |
| * | 6       | 4-084-617-12 | HOLDER, SCREEN       |                   |   |         |              | (KP-51WS510 ONLY)      |                   |
|   |         |              | (KP-51WS510 ONLY)    |                   | * | 19      | 4-084-566-01 | BOARD, FRONT           |                   |
| * | 6       | 4-084-568-12 | HOLDER, SCREEN       |                   |   |         |              | (KP-57WS510 ONLY)      |                   |
|   |         |              | (KP-57WS510 ONLY)    |                   | * | 20      | A-1405-147-A | H2 BOARD, MOUNTED      |                   |
| * | 7       | A-1400-759-A | SR BOARD, MOUNTED    | 1                 |   | 21      | 4-082-284-01 | BUTTON, MULTI          |                   |
| * | 8       | 4-084-617-02 | HOLDER, SCREEN       |                   | * | 22      | A-1405-148-A | H1 BOARD, MOUNTED      |                   |
|   |         |              | (KP-51WS510 ONLY)    |                   |   | 23      | 4-094-326-01 | BUTTON, POWER          |                   |
| * | 8       | 4-084-568-02 | HOLDER, SCREEN       |                   |   | 24      | 4-083-733-01 | GUIDE (HW), LED        |                   |
|   |         |              | (KP-57WS510 ONLY)    |                   | * | 25      | A-1405-149-A | H4 BOARD, MOUNTED      |                   |
| * | 9       | 4-083-460-01 | HOLDER (L), MIRROR   | SIDE              |   | 26      | X-4041-779-1 | GRILLE ASSY, SPEAKER   | (51) (27-30)      |
|   |         |              | (KP-51WS510 ONLY)    |                   |   |         |              | (KP-51WS510 ONLY)      |                   |
| * | 9       | 4-083-462-01 | HOLDER (L), MIRROR   | SIDE              |   | 26      | X-4041-783-1 | GRILLE, (57) SPEAKER A | SSY (27-30)       |
|   |         |              | (KP-57WS510 ONLY)    |                   |   |         |              | (KP-57WS510 ONLY)      |                   |
| * | 10      | 4-081-501-01 | HOLDER, MIRROR       |                   |   |         |              |                        |                   |
|   |         |              |                      |                   |   | 27      | 4-094-323-01 | DOOR, FRONT TERMINA    | L                 |
| * | 11      | 4-083-459-01 | HOLDER (R), MIRROR   | SIDE              |   | 28      | 4-042-192-01 | CATCHER, PUSH          |                   |
|   |         |              | (KP-51WS510 ONLY)    |                   |   | 29      | 3-703-035-11 | SHAFT, LID             |                   |
| * | 11      | 4-083-461-01 | HOLDER (R), MIRROR   | SIDE              |   | 30      | 4-045-250-01 | DAMPER                 |                   |
|   |         |              | (KP-57WS510 ONLY)    |                   |   | 31      | 4-096-120-01 | LABEL, CONTROL         |                   |
|   |         |              |                      |                   |   | 32      | 4-096-121-01 | PANEL ASSY, FRONT      |                   |



NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

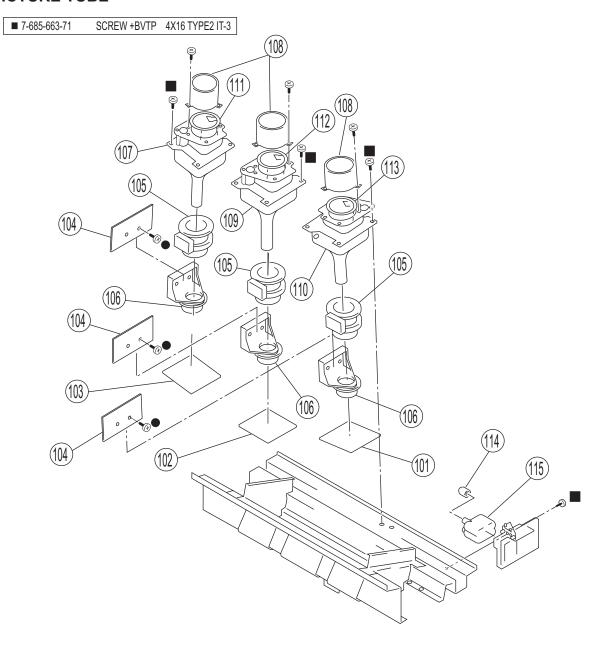
# 6-3. CHASSIS



| REF.NO. | PART NO.     | DESCRIPTION         | [ASSEMBLY INCLUDES] | REF.NO.         | PART NO.         | DESCRIPTION  | [ASSEMBLY INC        | LUDES]    |
|---------|--------------|---------------------|---------------------|-----------------|------------------|--|----------------------|-----------|
| 50      | 4-081-063-01 | SCREW, DOME WASH    | ER HEX TAP 4X20     | * 65            | A-1302-209-A     | B BOARD, COMPLE                                    | TE                   |           |
| 51      | 1-529-403-41 | LOUDSPEAKER (6.6CM  | 1)                  | * 66            | A-1302-178-A     | U BOARD, COMPLE                                    | TE                   |           |
| 52      | 1-825-525-11 | LOUDSPEAKER (13CM   | )                   | 67              | 3-710-578-01     | COVER, VOLUME, 6                                   | MOLD                 |           |
| ∑ 53    | 1-223-925-34 | RESISTOR ASSY (HIGH | H-VOLTAGE)          | <b>△</b> *68    | A-1302-708-A     | D BOARD, COMPLE                                    | TE                   |           |
| 54      | A-1302-177-A | A BOARD, COMPLETE   | (54, 62, 64, & 65)  |                 |                  | leads associated with th                           |                      | l are not |
| - 54    | A-1405-136-A | A BOARD, MOUNTED    |                     |                 |                  | st be ordered separately.<br>,001 TO 8,099,999 ONL |                      |           |
| 55      | 8-598-594-10 | TUNER, FSS BTF-FA42 | 1                   |                 | (SERIAL # 9,000  | ,001 TO 9,099,999 ONL                              | <b>Y</b> )           |           |
| 56      | 8-598-593-20 | TUNER, FSS BTF-WA42 | 21                  | <b>1</b> ★ ★ 68 | A-1302-180-A     | D BOARD, COMPLE                                    | TE                   |           |
| 57      | 1-557-056-31 | CABLE, P-P          |                     |                 | The high voltage | leads associated with th                           | e FBT on the D Board | l are not |
| 58      | 1-556-945-21 | CABLE, P-P          |                     |                 | included and mu  | st be ordered separately.                          | (SEE 70-71)          |           |
| ∑ 59    | 1-771-787-13 | SWITCH, RF ANTENNA  |                     |                 | (SERIAL # 8,700  | ,001 AND UP ONLY)                                  |                      |           |
|         |              |                     |                     |                 | (SERIAL # 9,700  | ,001 AND UP ONLY)                                  |                      |           |
| 60      | 4-069-675-01 | CAP, TERMINAL BOAR  | )                   |                 |                  |  |                      |           |
| 61      | 4-089-438-01 | BOARD, TERMINAL     |                     | <u> </u>        | 1-453-285-51     | FBT ASSY, NX-4006                                  |                      | (70-71)   |
| 62      | A-1300-324-A | UD BOARD, COMPLET   | Ε                   | <u> </u>        | 1-779-095-51     | LEAD ASSY, HIGH-V                                  | OLTAGE               |           |
| 63      | 4-089-194-01 | LABEL, TERMINAL     |                     | <u> </u>        | 1-900-260-40     | CONNECTOR ASSY,                                    | MV                   |           |
| 64      | A-1302-179-A | AD BOARD, COMPLET   | E                   | <u> </u>        | 1-790-001-12     | CORD, AC POWER (                                   | WITH CONNECTOR       |           |
|         |              |                     |                     | <b>△</b> * 73   | A-1302-383-A     | G BOARD, COMPLE                                    | TE                   |           |
|         |              |                     |                     | 74              | 1-500-082-11     | CLAMP, SLEEVE FE                                   | RRITE                |           |
|         |              |                     |                     | 75              | 1-500-021-11     | CLAMP, SLEEVE FE                                   | RRITE                |           |
|         |              |                     |                     |                 |                  | (KP-57WS510/65WS                                   | 510 ONLY)            |           |
|         |              |                     |                     | 76              | 1-469-241-11     | CORE, FERRITE (RF                                  | -C-8 BK)             |           |
|         |              |                     |                     |                 | 1 100 211 11     | 001.2,12111112 (11                                 | 0 0 2.1.,            |           |
|         |              |                     |                     |                 |                  |  |                      |           |
|         |              |                     |                     |                 |                  |  |                      |           |
|         |              |                     |                     |                 |                  |  |                      |           |
|         |              |                     |                     |                 |                  |  |                      |           |
|         |              |                     |                     |                 |                  |  |                      |           |

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

# 6-4. PICTURE TUBE



|                 |                  |  |             | KEF.NO. |                    |   |
|-----------------|------------------|--|-------------|---------|--------------------|---|
| * 101           | A-1302-811-A     | CB BOARD, COMPLETE                         |             |         |                    |   |
| * 102           | A-1302-812-A     | CG BOARD, COMPLETE                         |             | 109     | 8-735-182-05       | CRT 07MRC21 (G)                                   |
| * 103           | A-1302-810-A     | CR BOARD, COMPLETE                         |             |         | (SERIAL # 8,000    | ,001 TO 8,099,999 and                             |
| * 104           | A-1405-146-A     | V BOARD, MOUNTED                           | -           |         |                    | 3,899,999 # 9,000,001 TO 9,099,999 ONLY)          |
|                 |                  | ,  |             | 109     | A-1604-483-A       | COUPLER (G) ASSY, CRT                             |
| ⚠ 105           | 1-451-536-41     | DEFLECTION YOKE                            |             |         |                    | ,001 AND UP and # 9,700,001 AND UP ONLY)          |
|                 |                  | ERIAL # 8,000,001 TO 8,099,999 and         |             |         | (02/1/1/12/1/0,700 | , so that but and ho, too, so that but one one if |
|                 | •                | 9,099,999 ONLY)                            |             | 110     | 8-735-185-05       | CRT 07MRC31 (B)                                   |
| A 10E           |                  |  | 2:3         | 110     |                    | • •   |
| <u> </u>        | 1-451-536-13     | DEFLECTION YOKE                            |             |         | •                  | ERIAL # 8,000,001 TO 8,099,999 and                |
|                 | ,                | 7WS510 # 8,700,001 AND UP and              |             |         |                    | 3,899,999 # 9,000,001 TO 9,099,999 ONLY)          |
| <b>A</b>        | # 9,700,001 ANI  | •  |             | 110     | A-1604-487-A       | COUPLER (B) ASSY, CRT                             |
| △ 105           | 1-451-542-41     | DEFLECTION YOKE                            |             |         | •                  | NLY SERIAL # 8,700,001 AND UP and                 |
|                 | (KP-57WS510/6    | 5WS510 SERIAL # 8,000,001 TO 8,099,999 and |             |         | # 9,700,001 ANI    | O UP ONLY)  |
|                 | # 9,000,001 TO   | 9,099,999 ONLY)                            |             | 110     | 8-735-187-05       | CRT 07MRC41 (B)                                   |
| <u> </u>        | 1-451-537-14     | DEFLECTION YOKE                            |             |         | (KP-57WS510 S      | ERIAL# 8,000,001 TO 8,099,999 and                 |
|                 | (KP-65WS510 S    | ERIAL# 8,700,001 AND UP and                |             |         | # 9,000,001 TO     | 9,099,999 ONLY)                                   |
|                 | # 9,700,001 ANI  |  |             | 110     | A-1604-493-A       | COUPLER (B) ASSY, CRT                             |
|                 | ,,               | ,  |             |         |                    | ERIAL # 8,700,001 AND UP and                      |
| △ 106           | 1-452-790-31     | NECK ASSEMBLY                              |             |         | # 9,700,001 ANI    |   |
|                 |                  | ,001 TO 8,099,999 and                      |             | 110     | 8-735-189-05       | CRT 07MRC61 (B)                                   |
|                 | •                |  |             | 110     |                    | ( )   |
| A 400           |                  | 9,099,999 ONLY)                            |             |         | •                  | ERIAL# 8,000,001 TO 8,099,999 and                 |
| △ 106           | 1-451-535-12     | COIL ASSY, VM                              |             | 440     |                    | 9,099,999 ONLY)                                   |
|                 | (SERIAL # 8,700  | ,001 AND UP and # 9,700,001 AND UP ONLY)   |             | 110     | A-1604-499-A       | COUPLER (B) ASSY, CRT                             |
| <b>A</b>        |                  |  |             |         | •                  | ERIAL # 8,700,001 AND UP and                      |
| ⚠ 107           | 8-735-186-05     | CRT 07MRC31 (R)                            |             |         | # 9,700,001 ANI    | O UP ONLY)  |
|                 | (KP-51WS510 S    | ERIAL # 8,000,001 TO 8,099,999 and         |             |         |                    |   |
|                 | # 8,800,001 TO 8 | 3,899,999 # 9,000,001 TO 9,099,999 ONLY)   |             | 111     | 4-096-118-01       | SHADE (51-R)                                      |
| <u> </u>        | A-1604-485-A     | COUPLER (R) ASSY, CRT                      |             |         |                    | (KP-51WS510 ONLY)                                 |
|                 | (KP-51WS510 S    | ERIAL # 8,700,001 AND UP and               |             | 111     | 4-096-145-01       | SHADE, RED  |
|                 | # 9,700,001 ANI  |  |             |         |                    | (KP-57WS510/65WS510 ONLY)                         |
| ⚠ 107           | 8-735-188-05     | CRT 07MRC41 (R)                            |             | 112     | 4-097-791-01       | SHADE (G)   |
|                 |                  | ERIAL # # 8,000,001 TO 8,099,999 and       |             |         |                    | 5WS510 SERIAL # 8,000,001 TO 8,099,999 and        |
|                 | •                | 9,099,999 ONLY)                            |             |         | •                  | 9,099,999 ONLY)                                   |
| △ 107           | A-1604-491-A     | COUPLER (R) ASSY, CRT                      |             | 112     | 4-096-119-01       | SHADE (51-G)                                      |
| Z:\(\text{10}\) |                  |  | -           | 112     |                    | * *   |
|                 | •                | ERIAL # 8,700,001 AND UP and               |             |         | *                  | ERIAL # 8,000,001 TO 8,099,999 and                |
| A               | # 9,700,001 ANI  | •  |             |         | # 9,000,001 TO     |   |
| △ 107           | 8-735-190-05     | CRT 07MRC61 (R)                            |             |         |                    | WS510/65WS510 SERIAL # 8,700,001 AND UP and       |
|                 | •                | ERIAL # # 8,000,001 TO 8,099,999 and       | 4           |         | # 9,700,001 ANI    | O UP ONLY)  |
|                 | # 9,000,001 TO   | 9,099,999 ONLY)                            |             |         |                    |   |
| <u> </u>        | A-1604-497-A     | COUPLER (R) ASSY, CRT                      |             | 113     | 4-096-146-01       | SHADE, BLUE                                       |
|                 | (KP-65WS510 S    | ERIAL # 8,700,001 AND UP and               |             |         | (KP-57WS510/6      | 5WS510 SERIAL # 8,700,001 AND UP and              |
|                 | # 9,700,001 ANI  | O UP ONLY)                                 |             |         | # 9,700,001 ANI    | O UP ONLY)  |
|                 |                  | ,  |             | 114     | 4-373-137-01       | CAP (Z), RUBBER                                   |
| 108             | 4-083-751-01     | LENS (DELTA 250)                           | $\triangle$ |         | 8-598-955-32       | BLOCK ASSY, HV HVB-1031                           |
| 100             | . 550 101 01     | (KP-51WS510 ONLY)                          |             |         | 0 000 000 02       |   |
| 108             | 4-083-750-01     | LENS (DELTA 260)                           |             |         |                    |   |
| 100             | 4-000-700-01     | ,  |             |         |                    |   |
| 400             | 4 007 040 04     | (KP-57WS510 ONLY)                          |             |         |                    |   |
| 108             | 4-087-842-01     | LENS (DELTA 270)                           |             |         |                    |   |
|                 |                  | (KP-65WS510 ONLY)                          |             |         |                    |   |

REF.NO.

PART NO.

DESCRIPTION

DESCRIPTION

REF.NO.

PART NO.

KP-51WS510/57WS510/65WS510

# **SECTION 7: ELECTRICAL PARTS LIST**

NOTE: The components identified by shading and  $\triangle$  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components in this manual identified by the following symbol: 

indicate parts that have been carefully factory-selected to satisfy regulations regarding X-ray radiation for each set.

Should replacement be required for one of these components, replace only with the value originally used.

**RESISTORS** 



- All resistors are in ohms
- F : nonflammable
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When ordering parts by reference number, please include the board name.

| _           | REF.NO.        | PART NO.     | DESCRIPTION           | VALUES       |              | REF.NO. | PART NO.     | DESCRIPTION | VALU   | JES      |       |
|-------------|----------------|--------------|-----------------------|--------------|--------------|---------|--------------|-------------|--------|----------|-------|
| <u>-</u>    | J              |              |                       |              |              |         | <u>IC</u>    |             |        |          |       |
| , <b>(</b>  | ノ              |              |                       |              |              | IC7101  | 8-759-680-01 | IC          | TDA612 | 0Q/N2/S1 |       |
| *           |                | A-1302-810-A | CR BOARD, COMP        |              |              |         | JUMPER WIRE  |             |        |          |       |
|             |                | 4-382-854-11 | SCREW (M3X10), P, S   |              |              |         | JUNIPER WIRE |             |        |          |       |
| *           |                | 7-651-000-50 | GREASE, SILICON (G-   | 746) 200G    |              | JW7104  | 1-216-864-11 | SHORT CHIP  |        |          |       |
|             |                | CAPACITOR    |                       |              |              |         | <u>COIL</u>  |             |        |          |       |
|             | C7101          | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        | 25V          | L7101   | 1-469-555-21 | INDUCTOR    | 10µH   |          |       |
|             | C7102          | 1-101-003-00 | CERAMIC               | 0.0047µF     | 50V          | L7102   | 1-414-855-31 | INDUCTOR    | 1μH    |          |       |
|             | C7103          | 1-104-570-11 | CERAMIC               | 0.001µF 10%  | 6 2KV        | L7103   | 1-414-855-31 | INDUCTOR    | 1μΗ    |          |       |
|             | C7104          | 1-107-662-11 | ELECT                 | 22μF 20%     | 6 350V       |         |              |             | '      |          |       |
|             | C7105          | 1-162-918-11 | CERAMIC CHIP          | 18pF 5%      | 50V          |         | TRANSISTOR   |             |        |          |       |
|             | C7106          | 1-126-768-11 | ELECT                 | 2200µF 20%   | 6 16V        | Q7101   | 8-729-424-02 | TRANSISTOR  | 2SB709 | A-QRS-TX | (     |
|             | C7107          | 1-161-830-00 | CERAMIC               | 0.0047µF     | 500V         | Q7102   | 8-729-422-27 | TRANSISTOR  | 2SD601 | A-Q      |       |
|             | C7108          | 1-101-003-00 | CERAMIC               | 0.0047µF     | 50V          | Q7103   | 8-729-048-50 | TRANSISTOR  | 2SK301 | 8-T106   |       |
|             | C7109          | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        | 25V          |         |              |             |        |          |       |
|             | C7110          | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        | 25V          |         | RESISTOR     |             |        |          |       |
|             | 07444          | 4 400 000 44 | FLECT                 | 400F 200     | 401          | R7101   | 1-260-132-11 | CARBON      | 560K   | 5%       | 1/2W  |
|             | C7111          | 1-126-933-11 | ELECT<br>CERAMIC CHIR | 100μF 20%    |              | R7102   | 1-216-813-11 | METAL CHIP  | 220    | 5%       | 1/10W |
|             | C7112          | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        | 25V          | R7103   | 1-218-693-11 | METAL CHIP  | 1.1K   | 0.50%    | 1/10W |
|             | C7114<br>C7117 | 1-162-966-11 | CERAMIC CHIP          | 0.0022µF 10% | 6 50V<br>50V | R7104   | 1-218-696-11 | METAL CHIP  | 1.5K   | 0.50%    | 1/10W |
|             | GIIII          | 1-164-096-11 | CERAMIC               | 0.01µF       | 50 V         | R7105   | 1-219-743-11 | METAL       | 100    | 5%       | 1/2W  |
|             |                | CONNECTOR    |                       |              |              | R7106   | 1-216-825-11 | METAL CHIP  | 2.2K   | 5%       | 1/10W |
| *           | CN7102         | 1-564-509-11 | PLUG, CONNECTOR 6     | 3P           |              | R7107   | 1-260-133-11 | CARBON      | 680K   | 5%       | 1/2W  |
| *           | CN7103         | 1-564-510-11 | PLUG, CONNECTOR 7     |              |              | R7108   | 1-218-692-11 | METAL CHIP  | 1K     | 0.50%    | 1/10W |
|             | CN7104         | 1-785-879-11 | CONNECTOR, ONE TO     |              |              | R7109   | 1-216-815-11 | METAL CHIP  | 330    | 5%       | 1/10W |
|             | CN7105         | 1-695-915-11 | TAB (CONTACT)         |              |              | R7110   | 1-218-703-11 | METAL CHIP  | 3K     | 0.50%    | 1/10W |
|             | CN7107         | 1-695-915-11 | TAB (CONTACT)         |              |              |         |              |             |        |          |       |
|             |                |              | ,                     |              |              | R7111   | 1-218-710-11 | METAL CHIP  | 5.6K   | 0.50%    | 1/10W |
| <u>^</u> !\ | CN7108         | 1-251-182-11 | SOCKET, CRT           |              |              | R7112   | 1-218-746-11 | METAL CHIP  | 180K   | 0.50%    | 1/10W |
|             |                |              |                       |              |              | R7113   | 1-218-746-11 | METAL CHIP  | 180K   |          | 1/10W |
|             |                | DIODE        |                       |              |              | R7114   | 1-215-925-11 | METAL OXIDE | 22K    | 5%       | 3W    |
|             | D7404          | 0.740.404.50 | DIODE                 | MAAAA TV     |              | R7116   | 1-216-827-11 | METAL CHIP  | 3.3K   | 5%       | 1/10W |
|             | D7101          | 8-719-404-50 | DIODE                 | MA111-TX     |              |         |              |             |        |          |       |
|             | D7102          | 8-719-901-83 | DIODE                 | 1SS83        |              | R7118   | 1-216-823-11 | METAL CHIP  | 1.5K   | 5%       | 1/10W |
|             | D7103          | 8-719-901-83 | DIODE                 | 1SS83        |              | R7119   | 1-260-320-11 | CARBON      | 220    | 5%       | 1/2W  |
|             |                |              |                       |              |              | R7120   | 1-218-710-11 | METAL CHIP  | 5.6K   | 0.50%    | 1/10W |

<sup>\*</sup> Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.



| _        | REF.NO.          | PART NO.                               | DESCRIPTION                                  | VALUES             | 3    |            | REF.NC         | ). PART NO.                  | DESCRIPTION              | VALU         | JES         |                |
|----------|------------------|--|--|--------------------|------|------------|----------------|------------------------------|--------------------------|--------------|-------------|----------------|
|          | R7121            | 1-249-425-11                           | CARBON                                       | 4.7K               | 5%   | 1/4W       | D7303          | 8-719-901-83                 | DIODE                    | 1SS83        |             |                |
|          | R7122            | 1-260-087-11                           | CARBON                                       | 100                | 5%   | 1/2W       | D7304          | 8-719-901-83                 | DIODE                    | 1SS83        |             |                |
|          | R7123            | 1-260-328-11                           | CARBON                                       | 1K                 | 5%   | 1/2W       |                |                              |                          |              |             |                |
|          |                  |  |  |                    |      |            |                | <u>IC</u>                    |                          |              |             |                |
|          |                  | SPARK GAP                              |  |                    |      |            | IC7301         | 8-759-680-01                 | IC                       | TDA612       | 0Q/N2/S1    |                |
|          | SG7101           | 1-519-422-11                           | GAP, SPARK                                   |                    |      |            |                |                              |                          |              |             |                |
|          | SG7102           | 1-517-729-31                           | GAP, SPARK                                   |                    |      |            |                | JUMPER WIRE                  |                          |              |             |                |
|          | SG7103           | 1-519-421-11                           | GAP, DISCHARGE                               |                    |      |            | JW7302         | 1-216-864-11                 | SHORT CHIP               |              |             |                |
|          | <u> </u>         | I                                      |  |                    |      |            | JW7304         |                              | SHORT CHIP               |              |             |                |
| ş-  (    | :H               |  |  |                    |      |            | JW7305         |                              | SHORT CHIP               |              |             |                |
|          |                  |  | 00 00400 0040                                |                    |      |            | 0111000        | 1 210 001 11                 | OHORRI OHIII             |              |             |                |
| •        |                  | A-1302-811-A                           | CB BOARD, COMPL                              |                    |      |            |                | <u>COIL</u>                  |                          |              |             |                |
| *        |                  | 4-382-854-11<br>7-651-000-50           | SCREW (M3X10), P, SV<br>GREASE, SILICON (G-7 | . ,                |      |            |                |                              |                          |              |             |                |
|          |                  | 7-001-000-00                           | GREASE, SILICON (G-1                         | 40) 2000           |      |            | L7301          | 1-469-555-21                 | INDUCTOR                 | 10µH         |             |                |
|          |                  | CAPACITOR                              |  |                    |      |            | L7302          | 1-414-855-31                 | INDUCTOR                 | 1μH          |             |                |
|          |                  | CAPACITOR                              |  |                    |      |            | L7303          | 1-414-855-31                 | INDUCTOR                 | 1µH          |             |                |
|          | C7301            | 1-162-970-11                           | CERAMIC CHIP                                 | 0.01µF             | 10%  | 25V        |                | TRANSISTOR                   |                          |              |             |                |
|          | C7302            | 1-162-919-11                           | CERAMIC CHIP                                 | 22pF               | 5%   | 50V        |                | INANSISTON                   |                          |              |             |                |
|          | C7303            | 1-162-919-11                           | CERAMIC CHIP                                 | 22pF               | 5%   | 50V        | Q7301          | 8-729-424-02                 | TRANSISTOR               | 2SB709       | A-QRS-TX    | (              |
|          | C7304            | 1-101-003-00                           | CERAMIC                                      | 0.0047µF           |      | 50V        | Q7302          | 8-729-424-02                 | TRANSISTOR               | 2SB709       | A-QRS-TX    | (              |
|          | C7305            | 1-104-570-11                           | CERAMIC                                      | 0.001µF            | 10%  | 2KV        | Q7303          | 8-729-422-27                 | TRANSISTOR               | 2SD601       | A-Q         |                |
|          |                  |  |  |                    |      |            | Q7304          | 8-729-048-50                 | TRANSISTOR               | 2SK301       | 8-T106      |                |
|          | C7306            | 1-126-768-11                           | ELECT  | 2200µF             | 20%  | 16V        |                |                              |                          |              |             |                |
|          | C7307            | 1-164-156-11                           | CERAMIC CHIP                                 | 0.1µF              | 000/ | 25V        |                | RESISTOR                     |                          |              |             |                |
|          | C7308            | 1-107-662-11                           | ELECT  | 22μF               | 20%  | 350V       | R7301          | 1-249-393-11                 | CARBON                   | 10           | 5%          | 1/4W           |
|          | C7309            | 1-101-003-00                           | CERAMIC                                      | 0.0047µF           |      | 50V        | R7302          | 1-243-333-11                 | METAL CHIP               | 1.2K         | 5%          | 1/10W          |
|          | C7310            | 1-164-156-11                           | CERAMIC CHIP                                 | 0.1µF              |      | 25V        | R7303          | 1-216-813-11                 | METAL CHIP               | 220          | 5%          | 1/10W          |
|          | C7244            | 1 164 156 11                           | CEDAMIC CHID                                 | ٥ 1 ي ٦            |      | 251/       | R7304          | 1-260-132-11                 | CARBON                   | 560K         | 5%          | 1/2W           |
|          | C7311<br>C7312   | 1-164-156-11<br>1-126-933-11           | CERAMIC CHIP<br>ELECT                        | 0.1μF<br>100μF     | 20%  | 25V<br>16V | R7305          | 1-216-801-11                 | METAL CHIP               | 22           | 5%          | 1/10W          |
|          | C7312            | 1-120-955-11                           | CERAMIC CHIP                                 | 100μF<br>0.1μF     | 20%  | 25V        | 117000         | 1210 001 11                  | me n le or m             |              | 070         |                |
|          | C7314            | 1-164-156-11                           | CERAMIC CHIP                                 | 0.1μF<br>0.1μF     |      | 25V<br>25V | R7306          | 1-218-696-11                 | METAL CHIP               | 1.5K         | 0.50%       | 1/10W          |
|          | C7314            | 1-161-830-00                           | CERAMIC                                      | 0.1μΓ<br>0.0047μF  |      | 500V       | R7307          | 1-219-743-11                 | METAL                    | 100          | 5%          | 1/2W           |
|          | 07010            | 1-101-030-00                           | OLIVAIVIIO                                   | 0.00+1μι           |      | 300 V      | R7308          | 1-216-809-11                 | METAL CHIP               | 100          | 5%          | 1/10W          |
|          | C7317            | 1-162-966-11                           | CERAMIC CHIP                                 | 0.0022µF           | 10%  | 50V        | R7309          | 1-216-864-11                 | SHORT CHIP               |              |             |                |
|          | C7320            | 1-164-096-11                           | CERAMIC                                      | 0.01µF             | 1070 | 50V        | R7310          | 1-218-710-11                 | METAL CHIP               | 5.6K         | 0.50%       | 1/10W          |
|          |                  |  |  | •                  |      |            |                |                              |                          |              |             |                |
|          |                  | <b>CONNECTOR</b>                       |  |                    |      |            | R7311          | 1-218-692-11                 | METAL CHIP               | 1K           |             | 1/10W          |
| *        | CN7302           | 1 564 500 11                           | PLUG, CONNECTOR                              | 6P                 |      |            | R7312          | 1-260-133-11                 | CARBON                   | 680K         | 5%          | 1/2W           |
| *        | CN7302<br>CN7303 | 1-564-509-11<br>1-564-510-11           | PLUG, CONNECTOR                              | 7P                 |      |            | R7313          | 1-216-818-11                 | METAL CHIP               | 560          | 5%          | 1/10W          |
| *        | CN7304           | 1-564-510-11                           | PLUG, CONNECTOR                              | 7P                 |      |            | R7314          | 1-218-680-11                 | METAL CHIP               | 330          |             | 1/10W          |
|          | CN7305           | 1-785-879-11                           | CONNECTOR, ONE TO                            |                    |      |            | R7315          | 1-218-690-11                 | METAL CHIP               | 820          | 0.50%       | 1/10W          |
|          | CN7307           | 1-695-915-11                           | TAB (CONTACT)                                | 0011               |      |            | D7040          | 4 040 000 44                 | METAL CLUD               | 4.417        | 0.500/      | 4/40\4/        |
|          | 5.11.001         | . 555 616 11                           |  |                    |      |            | R7316<br>R7317 | 1-218-693-11<br>1-218-696-11 | METAL CHIP               | 1.1K<br>1.5K |             | 1/10W<br>1/10W |
|          | CN7308           | 1-695-915-11                           | TAB (CONTACT)                                |                    |      |            |                |                              | METAL CHIP               |              |             |                |
| <u> </u> |                  | 1-251-182-11                           | SOCKET, CRT                                  |                    |      |            | R7318<br>R7319 | 1-218-704-11                 | METAL CHIP               | 3.3K<br>2.2K | 0.50%<br>5% | 1/10W<br>1/10W |
|          |                  |  |  |                    |      |            | R7319<br>R7320 | 1-216-825-11<br>1-218-752-11 | METAL CHIP<br>METAL CHIP | 2.2K<br>330K |             | 1/10W          |
|          |                  | DIODE                                  |  |                    |      |            | 11/320         | 1-210-132-11                 | MIL IAL OHIF             | JJUIN        | 0.00 /0     | 17 1 0 9 9     |
|          | D7301            | 8-719-404-50                           | DIODE  | MA111-TX           | ,    |            | R7321          | 1-218-746-11                 | METAL CHIP               | 180K         | 0.50%       | 1/10W          |
|          | D7301            | 8-719-404-50                           | DIODE  | MA111-TX           |      |            | R7322          | 1-215-925-11                 | METAL OXIDE              | 22K          | 5%          | 3W             |
|          | D1002            | 3 7 10 <del>1</del> 0 <del>1</del> -00 | DIODE  | 1411 X 1 1 1 - 1 7 |      |            | -              |                              |                          |              |             |                |



| _    | REF.NO.            | PART NO.                     | DESCRIPTION                  | VALUE     | S   |       | REF.NO.        | PART NO.                     | DESCRIPTION          | VALU        | ES       |                            |
|------|--------------------|------------------------------|------------------------------|-----------|-----|-------|----------------|------------------------------|----------------------|-------------|----------|----------------------------|
| _    | R7323              | 1-216-827-11                 | METAL CHIP                   | 3.3K      | 5%  | 1/10W |                | <u>IC</u>                    |                      |             |          |                            |
|      | R7325              | 1-216-823-11                 | METAL CHIP                   | 1.5K      | 5%  | 1/10W |                |                              |                      |             |          |                            |
|      | R7326              | 1-260-320-11                 | CARBON                       | 220       | 5%  | 1/2W  | IC7201         | 8-759-680-01                 | IC                   | TDA6120     | )Q/N2/S1 |                            |
|      | R7328              | 1-249-425-11                 | CARBON                       | 4.7K      | 5%  | 1/4W  |                |                              |                      |             |          |                            |
|      | R7329              | 1-260-087-11                 | CARBON                       | 100       | 5%  | 1/2W  |                | JUMPER WIRE                  |                      |             |          |                            |
|      | R7330              | 1-260-328-11                 | CARBON                       | 1K        | 5%  | 1/2W  | JW7214         | 1-216-864-11                 | SHORT CHIP           |             |          |                            |
|      |                    |                              |                              |           |     |       |                |                              |                      |             |          |                            |
|      |                    | SPARK GAP                    |                              |           |     |       |                | COIL                         |                      |             |          |                            |
|      | SG7301             | 1-519-422-11                 | GAP, SPARK                   |           |     |       | L7201          | 1-469-555-21                 | INDUCTOR             | 10µH        |          |                            |
|      | SG7302             | 1-517-729-31                 | GAP, SPARK                   |           |     |       | L7202          | 1-414-855-31                 | INDUCTOR             | 1μH         |          |                            |
|      | SG7303             | 1-519-421-11                 | GAP, DISCHARGE               |           |     |       | L7203          | 1-414-855-31                 | INDUCTOR             | 1μH         |          |                            |
| Г    | $\overline{C}$     |                              |                              |           |     |       |                |                              |                      | ·           |          |                            |
| ַר [ | <u>UU</u>          |                              |                              |           |     |       |                | TRANSISTOR                   |                      |             |          |                            |
| *    |                    | A-1302-812-A                 | CG BOARD, COMP               | LETE      |     |       | Q7201          | 8-729-424-02                 | TRANSISTOR           | 2SB709A     | N-QRS-TX |                            |
|      |                    | 4-382-854-11                 | SCREW (M3X10), P, S          | W (+)     |     |       | Q7202          | 8-729-422-27                 | TRANSISTOR           | 2SD601A     | N-Q      |                            |
| *    |                    | 7-651-000-50                 | GREASE, SILICON (G-          | 746) 200G |     |       | Q7203          | 8-729-048-50                 | TRANSISTOR           | 2SK3018     | I-T106   |                            |
|      |                    | CAPACITOR                    |                              |           |     |       |                | RESISTOR                     |                      |             |          |                            |
|      | C7201              | 1-164-156-11                 | CERAMIC CHIP                 | 0.1µF     |     | 25V   | R7201          | 1-216-813-11                 | METAL CHIP           | 220         | 5%       | 1/10W                      |
|      | C7202              | 1-101-003-00                 | CERAMIC                      | 0.0047µF  |     | 50V   | R7202          | 1-218-693-11                 | METAL CHIP           | 1.1K        |          | 1/10W                      |
|      | C7203              | 1-104-570-11                 | CERAMIC                      | 0.001µF   | 10% | 2KV   | R7203          | 1-218-696-11                 | METAL CHIP           | 1.5K        |          | 1/10W                      |
|      | C7204              | 1-107-662-11                 | ELECT                        | 22µF      | 20% | 350V  | R7204          | 1-260-132-11                 | CARBON               | 560K        | 5%       | 1/2W                       |
|      | C7205              | 1-162-920-11                 | CERAMIC CHIP                 | 27pF      | 5%  | 50V   | R7205          | 1-216-825-11                 | METAL CHIP           | 2.2K        | 5%       | 1/10W                      |
|      |                    |                              |                              | •         |     |       |                |                              |                      |             |          |                            |
|      | C7206              | 1-101-003-00                 | CERAMIC                      | 0.0047µF  |     | 50V   | R7206          | 1-219-743-11                 | METAL                | 100         | 5%       | 1/2W                       |
|      | C7207              | 1-126-768-11                 | ELECT                        | 2200µF    | 20% | 16V   | R7207          | 1-218-690-11                 | METAL CHIP           | 820         | 0.50%    |                            |
|      | C7208              | 1-164-156-11                 | CERAMIC CHIP                 | 0.1µF     |     | 25V   | R7208          | 1-260-133-11                 | CARBON               | 680K        | 5%       | 1/2W                       |
|      | C7209              | 1-164-156-11                 | CERAMIC CHIP                 | 0.1µF     |     | 25V   | R7209          | 1-216-815-11                 | METAL CHIP           | 330         | 5%       | 1/10W                      |
|      | C7210              | 1-126-933-11                 | ELECT                        | 100µF     | 20% | 16V   | R7210          | 1-218-700-11                 | METAL CHIP           | 2.2K        | 0.50%    | 1/10W                      |
|      | C7211              | 1-164-156-11                 | CERAMIC CHIP                 | 0.1µF     |     | 25V   | R7211          | 1-218-708-11                 | METAL CHIP           | 4.7K        | 0.50%    | 1/10W                      |
|      | C7212              | 1-161-830-00                 | CERAMIC                      | 0.0047µF  |     | 500V  | R7212          | 1-218-742-11                 | METAL CHIP           | 120K        |          | 1/10W                      |
|      | C7214              | 1-162-966-11                 | CERAMIC CHIP                 | 0.0022µF  |     | 50V   | R7213          | 1-218-742-11                 | METAL CHIP           | 120K        | 0.50%    | 1/10W                      |
|      | C7217              | 1-164-096-11                 | CERAMIC                      | 0.01µF    |     | 50V   | R7214          | 1-215-925-11                 | METAL OXIDE          | 22K         | 5%       | 3W                         |
|      |                    |                              |                              | ·         |     |       | R7215          | 1-216-827-11                 | METAL CHIP           | 3.3K        | 5%       | 1/10W                      |
|      |                    | CONNECTOR                    |                              |           |     |       | D7046          | 4 040 000 44                 | METAL CLUD           | 4.51/       | E0/      | 4/40\4                     |
| *    | CN7202             | 1-564-509-11                 | PLUG, CONNECTOR 6            | SP.       |     |       | R7216<br>R7219 | 1-216-823-11<br>1-260-320-11 | METAL CHIP<br>CARBON | 1.5K<br>220 | 5%<br>5% | 1/10W<br>1/2W              |
| *    | CN7203             | 1-564-510-11                 | PLUG, CONNECTOR 7            |           |     |       | R7219<br>R7220 | 1-200-320-11                 | METAL CHIP           | 5.6K        | 0.50%    |                            |
| *    | CN7204             | 1-564-510-11                 | PLUG, CONNECTOR 7            |           |     |       | R7220          |                              | CARBON               | 4.7K        | 5%       | 1/4W                       |
|      | CN7205             | 1-785-879-11                 | CONNECTOR, ONE TO            |           |     |       | R7221          | 1-249-425-11<br>1-260-087-11 | CARBON               | 100         | 5%<br>5% | 1/ <del>4</del> vv<br>1/2W |
|      | CN7206             | 1-695-915-11                 | TAB (CONTACT)                |           |     |       | 17222          | 1-200-007-11                 | CARBON               | 100         | 3 /0     | 1/244                      |
|      | CN17200            | 1 605 015 11                 | TAR (CONTACT)                |           |     |       | R7223          | 1-260-328-11                 | CARBON               | 1K          | 5%       | 1/2W                       |
| ,    | CN7208<br>Û CN7209 | 1-695-915-11<br>1-251-182-11 | TAB (CONTACT)<br>SOCKET, CRT |           |     |       |                |                              |                      |             |          |                            |
| 2    | :\ CIN1209         | 1-231-102-11                 | SOURLI, URI                  |           |     |       |                | SPARK GAP                    |                      |             |          |                            |
|      |                    | DIODE                        |                              |           |     |       | SG7201         | 1-519-422-11                 | GAP, SPARK           |             |          |                            |
|      | D7201              | 8-719-404-50                 | DIODE                        | MA111-T)  | <   |       | SG7202         | 1-517-729-31                 | GAP, SPARK           |             |          |                            |
|      | D7201              | 8-719-901-83                 | DIODE                        | 1SS83     | •   |       | SG7203         | 1-519-421-11                 | GAP, DISCHARGE       |             |          |                            |
|      | D7202              | 8-719-901-83                 | DIODE                        | 1SS83     |     |       |                |                              |                      |             |          |                            |
|      | 5,200              | 3 7 13 00 1 00               | 5.052                        | .5000     |     |       |                |                              |                      |             |          |                            |



| REF.NO.        | PART NO.                     | DESCRIPTION              | VALUE              | S            |      | REF.NO.        | PART NO.                     | DESCRIPTION              | VALI        | JES         |                |
|----------------|------------------------------|--------------------------|--------------------|--------------|------|----------------|------------------------------|--------------------------|-------------|-------------|----------------|
| 1              |                              |                          |                    |              |      | Q9007          | 8-729-120-28                 | TRANSISTOR               | 2SC162      | 3-L5L6      |                |
| $ \mathbf{V} $ |                              |                          |                    |              |      | Q9008          | 8-729-045-04                 | TRANSISTOR               | 2SC551      | 1           |                |
|                |                              |                          |                    |              |      | Q9009          | 8-729-045-05                 | TRANSISTOR               | 2SA200      |             |                |
| *              | A-1405-146-A                 | V BOARD, MOUNT           | ED                 |              |      |                |                              |                          |             |             |                |
|                | 4-382-854-11                 | SCREW (M3X10), P, S      | . ,                |              |      |                | RESISTOR                     |                          |             |             |                |
| *              | 7-651-000-50                 | GREASE, SILICON (G-      | 746) 200G          |              |      | D0000          | 4 040 005 44                 | METAL CLUB               | 47          | <b>F</b> 0/ | 4/40\\         |
|                |                              |                          |                    |              |      | R9002          | 1-216-805-11                 | METAL CHIP               | 47<br>820   | 5%<br>5%    | 1/10W<br>1/10W |
|                | CAPACITOR                    |                          |                    |              |      | R9004<br>R9005 | 1-216-820-11<br>1-216-829-11 | METAL CHIP<br>METAL CHIP | 620<br>4.7K | 5%<br>5%    | 1/10W          |
| C9002          | 1-104-999-11                 | MYLAR                    | 0.1µF              | 5%           | 200V | R9005          | 1-216-829-11                 | METAL CHIP               | 4.7K        | 5%          | 1/10W          |
| C9003          | 1-125-891-11                 | CERAMIC CHIP             | 0.47µF             | 10%          | 10V  | R9007          | 1-216-809-11                 | METAL CHIP               | 100         | 5%          | 1/10W          |
| C9006          | 1-126-935-11                 | ELECT                    | 470µF              | 20%          | 16V  | 10007          | 1 210 000 11                 | WEINE OIT                | 100         | 0 70        | 171011         |
| C9007          | 1-126-933-11                 | ELECT                    | 100µF              | 20%          | 16V  | R9008          | 1-216-803-11                 | METAL CHIP               | 33          | 5%          | 1/10W          |
| C9008          | 1-126-935-11                 | ELECT                    | 470µF              | 20%          | 16V  | R9009          | 1-216-809-11                 | METAL CHIP               | 100         | 5%          | 1/10W          |
|                |                              |                          | '                  |              |      | R9010          | 1-216-813-11                 | METAL CHIP               | 220         | 5%          | 1/10W          |
| C9009          | 1-126-933-11                 | ELECT                    | 100µF              | 20%          | 16V  | R9011          | 1-216-864-11                 | SHORT CHIP               |             |             |                |
| C9010          | 1-107-667-11                 | ELECT                    | 2.2µF              | 20%          | 400V | R9012          | 1-216-823-11                 | METAL CHIP               | 1.5K        | 5%          | 1/10W          |
| C9011          | 1-107-364-11                 | MYLAR                    | 0.01µF             | 10%          | 200V |                |                              |                          |             |             |                |
| C9012          | 1-107-364-11                 | MYLAR                    | 0.01µF             | 10%          | 200V | R9013          | 1-216-805-11                 | METAL CHIP               | 47          | 5%          | 1/10W          |
| C9013          | 1-162-964-11                 | CERAMIC CHIP             | 0.001µF            | 10%          | 50V  | R9014          | 1-216-805-11                 | METAL CHIP               | 47          | 5%          | 1/10W          |
|                |                              |                          |                    |              |      | R9015          | 1-216-833-11                 | METAL CHIP               | 10K         | 5%          | 1/10W          |
| C9014          | 1-162-964-11                 | CERAMIC CHIP             | 0.001µF            | 10%          | 50V  | R9016          | 1-249-414-11                 | CARBON                   | 560         | 5%          | 1/4W           |
| C9015          | 1-126-935-11                 | ELECT                    | 470µF              | 20%          | 16V  | R9017          | 1-249-435-11                 | CARBON                   | 33K         | 5%          | 1/4W           |
| C9017          | 1-104-999-11                 | MYLAR                    | 0.1µF              | 5%           | 200V |                |                              |                          |             |             |                |
| C9018          | 1-107-638-11                 | ELECT                    | 33µF               | 20%          | 160V | R9018          | 1-249-435-11                 | CARBON                   | 33K         | 5%          | 1/4W           |
| C9019          | 1-126-935-11                 | ELECT                    | 470μF              | 20%          | 16V  | R9019          | 1-249-414-11                 | CARBON                   | 560         | 5%          | 1/4W           |
|                |                              |                          |                    |              |      | R9020          | 1-216-799-11                 | METAL CHIP               | 15          | 5%          | 1/10W          |
|                | CONNECTOR                    |                          |                    |              |      | R9021          | 1-216-799-11                 | METAL CHIP               | 15          | 5%          | 1/10W          |
| * CN9001       | 1-564-508-11                 | PLUG, CONNECTOR          |                    | 5P           |      | R9022          | 1-249-421-11                 | CARBON                   | 2.2K        | 5%          | 1/4W           |
| * CN9002       | 1-770-723-11                 | CONNECTOR, BOARD         | TO BOARE           | 98 C         |      | B0000          | 1 0 10 101 11                | OA BROW                  | 0.017       | =0/         | 414141         |
|                |                              |                          |                    |              |      | R9023          | 1-249-421-11                 | CARBON                   | 2.2K        | 5%          | 1/4W           |
|                | <u>DIODE</u>                 |                          |                    |              |      | R9024          | 1-249-405-11                 | CARBON                   | 100         | 5%          | 1/4W           |
| D0004          | 0.740.000.04                 | DIODE                    | 400055             | E 47         |      | R9025<br>R9027 | 1-249-385-11<br>1-249-385-11 | CARBON<br>CARBON         | 2.2<br>2.2  | 5%<br>5%    | 1/4W<br>1/4W   |
| D9001          | 8-719-988-61                 | DIODE<br>DIODE           | 1SS355T            |              |      | R9027<br>R9028 | 1-249-305-11                 | CARBON                   | 100         | 5%<br>5%    | 1/4VV<br>1/4W  |
| D9002<br>D9003 | 8-719-988-61<br>8-719-988-61 | DIODE                    | 1SS355T<br>1SS355T |              |      | 13020          | 1-243-403-11                 | CANDON                   | 100         | J /0        | 1/7 VV         |
| D9003<br>D9004 | 8-719-988-61                 | DIODE                    | 1SS355T            |              |      | R9029          | 1-215-913-11                 | METAL OXIDE              | 220         | 5%          | 3W             |
| D9004<br>D9005 | 8-719-510-02                 | DIODE                    | D1NS4              | L-1 <i>1</i> |      | R9030          | 1-249-377-11                 | CARBON                   | 0.47        | 5%          | 1/4W           |
| D3003          | 0-7 19-010-02                | DIODL                    | DINOT              |              |      | R9031          | 1-249-385-11                 | CARBON                   | 2.2         | 5%          | 1/4W           |
| D9006          | 8-719-110-56                 | DIODE                    | RD22ESE            | 31           |      | R9032          | 1-249-385-11                 | CARBON                   | 2.2         | 5%          | 1/4W           |
| D9007          | 8-719-110-56                 | DIODE                    | RD22ESE            |              |      | R9033          | 1-249-436-11                 | CARBON                   | 39K         | 5%          | 1/4W           |
| 2000.          | 0 7 10 110 00                | 5.052                    | ROZZZOZ            | - 1          |      |                |                              |                          |             |             |                |
|                | COIL                         |                          |                    |              |      | R9034          | 1-249-436-11                 | CARBON                   | 39K         | 5%          | 1/4W           |
| L9001          | 1-412-525-31                 | INDUCTOR                 | 10µH               |              |      |                |                              |                          |             |             |                |
|                | TRANSISTOR                   |                          |                    |              |      |                |                              |                          |             |             |                |
| Q9002          | 8-729-120-28                 | TDANICICTOD              | 2SC1623            | 1516         |      |                |                              |                          |             |             |                |
| Q9002<br>Q9003 | 8-729-120-28<br>8-729-120-28 | TRANSISTOR<br>TRANSISTOR | 2SC1623            |              |      |                |                              |                          |             |             |                |
| Q9003<br>Q9004 | 8-729-120-26<br>8-729-026-49 | TRANSISTOR               | 2SA1037            |              | ŝ₌R  |                |                              |                          |             |             |                |
| Q9004<br>Q9005 | 8-729-120-28                 | TRANSISTOR               | 2SC1623            |              | V 11 |                |                              |                          |             |             |                |
| Q9006          | 8-729-026-49                 | TRANSISTOR               | 2SA1037            |              | 6-R  |                |                              |                          |             |             |                |
| 20000          |                              |                          | _50011             |              |      | I              |                              |                          |             |             |                |



| REF.NO.    | PART NO.                  | DESCRIPTION          | VALUE     | s    |       | _        | REF.NO.                 | PART NO.                     | DESCRIPTION             | VALUE               | S     |      |
|------------|---------------------------|----------------------|-----------|------|-------|----------|-------------------------|------------------------------|-------------------------|---------------------|-------|------|
|            |                           |                      |           |      |       |          | C5053                   | 1-126-967-11                 | ELECT                   | 47µF                | 20%   | 50V  |
|            |                           |                      |           |      |       |          | C5054                   | 1-126-955-11                 | ELECT                   | 4700μF              | 20%   | 35V  |
|            |                           |                      |           |      |       |          | C5055                   | 1-126-933-11                 | ELECT                   | 4700μF              | 20%   | 16V  |
| <u>^</u> * | A 4202 202 A              | G BOARD, COMPLETE    | -         |      |       |          |                         |                              | ELECT                   | •                   |       | 50V  |
| <u> </u>   | A-1302-383-A              | •                    |           |      |       |          | C6001                   | 1-126-967-11                 |                         | 47µF                | 20%   |      |
| •          | 4-374-846-01              | COVER, CAPACITOR,    |           |      |       |          | C6002                   | 1-104-666-11                 | ELECT                   | 220µF               | 20%   | 25V  |
|            | 4-382-854-11              | SCREW (M3X10), P, SV | . ,       |      |       |          |                         |                              |                         |                     |       |      |
| *          | 7-651-000-50              | GREASE, SILICON (G-7 | 746) 200G |      |       |          | C6004                   | 1-126-967-11                 | ELECT                   | 47µF                | 20%   | 50V  |
|            |                           |                      |           |      |       |          | C6008                   | 1-117-228-11                 | MYLAR                   | 2.2µF               | 10%   | 450V |
|            | <u>CAPACITOR</u>          |                      |           |      |       |          | C6012                   | 1-119-894-51                 | CERAMIC                 | 2200pF              | 20%   | 250V |
| 05004      | 4 404 045 44              | OFDAMIO              | 4000      | 400/ | F00\/ | <u>^</u> | C6013                   | 1-119-894-51                 | CERAMIC                 | 2200pF              | 20%   | 250V |
| C5001      | 1-164-645-11              | CERAMIC              | 1000pF    | 10%  | 500V  | <u>/</u> | C6014                   | 1-104-708-11                 | MYLAR                   | 0.47µF              | 20%   | 250V |
| C5002      | 1-164-645-11              | CERAMIC              | 1000pF    | 10%  | 500V  |          |                         |                              |                         | •                   |       |      |
| C5006      | 1-104-665-11              | ELECT                | 100µF     | 20%  | 25V   |          | C6015                   | 1-161-964-91                 | CERAMIC                 | 0.0047µF            |       | 250V |
| C5007      | 1-164-645-11              | CERAMIC              | 1000pF    | 10%  | 500V  |          | C6016                   | 1-161-964-91                 | CERAMIC                 | 0.0047µF            |       | 250V |
| C5008      | 1-164-645-11              | CERAMIC              | 1000pF    | 10%  | 500V  |          | C6017                   | 1-162-964-11                 | CERAMIC CHIP            | 0.0047μi<br>0.001μF | 10%   | 50V  |
|            |                           |                      |           |      |       |          |                         |                              |                         |                     | 1070  |      |
| C5009      | 1-126-953-11              | ELECT                | 2200µF    | 20%  | 35V   |          | C6018                   | 1-162-974-11                 | CERAMIC CHIP            | 0.01µF              | 000/  | 50V  |
| C5010      | 1-126-953-11              | ELECT                | 2200µF    | 20%  | 35V   |          | C6019                   | 1-126-968-11                 | ELECT                   | 100µF               | 20%   | 50V  |
| C5011      | 1-164-645-11              | CERAMIC              | 1000pF    | 10%  | 500V  |          |                         |                              |                         |                     |       |      |
| C5011      |                           | CERAMIC              |           |      | 500V  |          | C6020                   | 1-126-963-11                 | ELECT                   | 4.7µF               | 20%   | 50V  |
|            | 1-164-645-11              |                      | 1000pF    | 10%  |       |          | C6021                   | 1-126-964-11                 | ELECT                   | 10μF                | 20%   | 50V  |
| C5015      | 1-115-758-11              | ELECT                | 470µF     | 20%  | 16V   |          | C6022                   | 1-161-964-91                 | CERAMIC                 | 0.0047µF            |       | 250V |
|            |                           |                      |           |      |       |          | C6023                   | 1-161-964-91                 | CERAMIC                 | 0.0047µF            |       | 250V |
| C5016      | 1-126-942-61              | ELECT                | 1000μF    | 20%  | 25V   |          | C6025                   | 1-136-479-11                 | FILM                    | 0.001µF             | 5%    | 100V |
| C5017      | 1-126-942-61              | ELECT                | 1000µF    | 20%  | 25V   |          | 00020                   |                              |                         | о.оо.р.             | • 70  |      |
| C5018      | 1-126-952-11              | ELECT                | 1000µF    | 20%  | 35V   |          | C6029                   | 1-136-165-00                 | FILM                    | 0.1µF               | 5%    | 50V  |
| C5019      | 1-126-952-11              | ELECT                | 1000µF    | 20%  | 35V   |          | C6030                   |                              | ELECT                   |                     | 20%   | 35V  |
| C5020      | 1-110-626-11              | ELECT                | 330µF     | 20%  | 160V  |          |                         | 1-126-947-11                 |                         | 47µF                |       |      |
|            |                           |                      |           |      |       |          | C6031                   | 1-137-750-11                 | ELECT                   | 1500µF              | 20%   | 250V |
| C5021      | 1-115-771-51              | ELECT                | 0.0047F   | 20%  | 16V   |          | C6032                   | 1-137-750-11                 | ELECT                   | 1500µF              | 20%   | 250V |
| C5022      | 1-126-947-11              | ELECT                | 47µF      | 20%  | 35V   |          | C6041                   | 1-125-969-91                 | CERAMIC                 | 680pF               | 10%   | 1KV  |
| C5024      | 1-107-888-11              | ELECT                | 47μF      | 20%  | 25V   |          |                         |                              |                         |                     |       |      |
| C5024      |                           | ELECT                |           |      | 35V   |          | C6042                   | 1-125-969-91                 | CERAMIC                 | 680pF               | 10%   | 1KV  |
|            | 1-126-947-11              |                      | 47µF      | 20%  |       | <u> </u> | C6043                   | 1-104-706-11                 | MYLAR                   | 0.22µF              | 20%   | 250V |
| C5026      | 1-126-947-11              | ELECT                | 47µF      | 20%  | 35V   |          | C6046                   | 1-126-968-11                 | ELECT                   | 100µF               | 20%   | 50V  |
|            |                           |                      |           |      |       |          | C6047                   | 1-165-954-11                 | FILM                    | 56000pF             | 3%    | 800V |
| C5027      | 1-126-951-11              | ELECT                | 470µF     | 20%  | 35V   |          |                         |                              |                         |                     |       |      |
| C5028      | 1-126-951-11              | ELECT                | 470µF     | 20%  | 35V   |          |                         | CONNECTOR                    |                         |                     |       |      |
| C5029      | 1-107-639-11              | ELECT                | 47µF      | 20%  | 160V  |          |                         | <u></u>                      |                         |                     |       |      |
| C5030      | 1-126-947-11              | ELECT                | 47µF      | 20%  | 35V   | *        | CN5001                  | 1-564-508-11                 | PLUG, CONNECTOR         |                     | 5P    |      |
| C5031      | 1-126-768-11              | ELECT                | 2200µF    | 20%  | 16V   | *        | CN5002                  | 1-564-507-11                 | PLUG, CONNECTOR         |                     | 4P    |      |
|            |                           |                      | •         |      |       | *        | CN5003                  | 1-564-510-11                 | PLUG, CONNECTOR         |                     | 7P    |      |
| C5038      | 1-126-947-11              | ELECT                | 47µF      | 20%  | 35V   | *        | CN5004                  | 1-766-177-11                 | PIN, CONNECTOR (PC      | BOARD)              | 9P    |      |
| C5039      | 1-126-947-11              | ELECT                | 47μF      | 20%  | 35V   |          | CN5005                  | 1-695-915-11                 | TAB (CONTACT)           | _ 0)                | ••    |      |
| C5040      | 1-107-826-11              | CERAMIC CHIP         | 0.1μF     | 10%  | 16V   |          | 0140000                 | 1-030-310-11                 | IAD (CONTACT)           |                     |       |      |
|            |                           |                      |           |      |       |          | CNEOOG                  | 1 605 015 11                 | TAD (CONTACT)           |                     |       |      |
| C5041      | 1-126-767-11              | ELECT                | 1000µF    | 20%  | 16V   |          | CN5006                  | 1-695-915-11                 | TAB (CONTACT)           |                     |       |      |
| C5042      | 1-126-963-11              | ELECT                | 4.7µF     | 20%  | 50V   | Λ.       | CN5007                  | 1-695-915-11                 | TAB (CONTACT)           |                     |       |      |
|            |                           |                      |           |      |       | <u> </u> | CN6005                  | 1-580-843-11                 | PIN, CONNECTOR (PO      | WER)                |       |      |
| C5043      | 1-126-935-11              | ELECT                | 470µF     | 20%  | 16V   |          |                         |                              |                         |                     |       |      |
| C5047      | 1-162-970-11              | CERAMIC CHIP         | 0.01µF    | 10%  | 25V   |          |                         | <u>DIODE</u>                 |                         |                     |       |      |
| C5049      | 1-162-970-11              | CERAMIC CHIP         | 0.01µF    | 10%  | 25V   |          | DE004                   | 0.740.000.07                 | DIODE                   | LIDZOTE             | 47000 |      |
| C5050      | 1-128-554-11              | ELECT                | 330µF     | 20%  | 63V   |          | D5001                   | 8-719-083-67                 | DIODE                   | UDZSTE-             |       |      |
|            | 1-120-00 <del>1</del> -11 |                      |           |      |       |          |                         | 0.740.000.00                 | INODE                   | DACDCCI             | _     |      |
|            |                           |                      | -         | 20%  | 50V   |          | D5002                   | 8-719-060-89                 | DIODE                   | D4SBS6-F            |       |      |
| C5051      | 1-126-961-11              | ELECT                | 2.2µF     | 20%  | 50V   |          | D5002<br>D5003<br>D5004 | 8-719-060-89<br>8-719-060-89 | DIODE<br>DIODE<br>DIODE | D4SBS6-F            |       |      |



| REF.NO.        | PART NO.      | DESCRIPTION | VALUES         |      | REF.NC         | . PART NO.                   | DESCRIPTION          | VALUES         |    |
|----------------|---------------|-------------|----------------|------|----------------|------------------------------|----------------------|----------------|----|
| D5005          | 8-719-083-45  | DIODE       | 31DF4N-FC5     |      |                | FERRITE BEAD                 |                      |                |    |
| D5006          | 8-719-052-37  | DIODE       | F10P04Q        |      | EDE004         | 4 440 200 44                 | CEDDITE              | 0.45           |    |
| D5007          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      | FB5001         | 1-410-396-41                 | FERRITE              | 0.45µH         |    |
| D5008          | 8-719-028-45  | DIODE       | D2L20U         |      | FB5002         | 1-410-396-41                 | FERRITE              | 0.45µH         |    |
| D5009          | 8-719-028-45  | DIODE       | D2L20U         |      | FB5003         | 1-410-396-41                 | FERRITE              | 0.45µH         |    |
|                |               |             |                |      | FB5004         | 1-410-396-41                 | FERRITE              | 0.45µH         |    |
| D5010          | 8-719-200-31  | DIODE       | 21DQ05         |      | FB5005         | 1-410-396-41                 | FERRITE              | 0.45µH         |    |
| D5011          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      |                |                              |                      |                |    |
| D5012          | 8-719-056-93  | DIODE       | UDZ-TE-17-18B  |      | FB5006         | 1-410-396-41                 | FERRITE              | 0.45µH         |    |
| D5013          | 8-719-069-56  | DIODE       | UDZSTE-176.2B  |      | FB6001         | 1-410-396-41                 | FERRITE              | 0.45µH         |    |
| D5014          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      | FB6004         | 1-216-295-91                 | SHORT CHIP           |                |    |
|                |               |             |                |      | FB6005         | 1-216-295-91                 | SHORT CHIP           |                |    |
| D5015          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      | FB6006         | 1-216-295-91                 | SHORT CHIP           |                |    |
| D5016          | 8-719-083-44  | DIODE       | FSQ05A04       |      |                |                              |                      |                |    |
| D5017          | 8-719-073-25  | DIODE       | S1VBA20        |      | FB6007         | 1-216-295-91                 | SHORT CHIP           |                |    |
| D5017          | 8-719-056-84  | DIODE       | UDZ-TE-17-7.5B |      | FB6013         | 1-410-397-21                 | FERRITE              | 1.1µH          |    |
| D5010          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      | FB6014         | 1-410-397-21                 | FERRITE              | 1.1µH          |    |
| D3019          | 0-7 19-900-01 | DIODL       | 100000112-17   |      | FB6015         | 1-410-397-21                 | FERRITE              | 1.1µH          |    |
| D5020          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      | FB6016         | 1-410-397-21                 | FERRITE              | 1.1µH          |    |
| D5020<br>D5021 | 8-719-988-61  | DIODE       | 1SS355TE-17    |      |                |                              |                      |                |    |
|                |               |             |                |      |                | <b>FUSE HOLDER</b>           |                      |                |    |
| D5022          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      | ^              |                              |                      |                |    |
| D5023          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      | ⚠ FH6001       | 1-533-223-11                 | FUSE HOLDER          | 0A             | 0V |
| D5024          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      | ⚠ FH6002       | 1-533-223-11                 | FUSE HOLDER          | 0A             | 0V |
| D5025          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      |                | <u>IC</u>                    |                      |                |    |
| D5026          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      |                | <u>10</u>                    |                      |                |    |
| D5027          | 8-719-069-54  | DIODE       | UDZSTE-175.1B  |      | ⚠ IC501        | 8-749-012-13                 | IC                   | DM-58          |    |
| D5031          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      | IC5002         | 8-759-103-93                 | IC                   | UPC393C        |    |
| D5033          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      | IC5003         | 8-759-701-84                 | IC                   | NJM7905FA      |    |
|                |               |             |                |      | IC5004         | 8-759-640-19                 | IC                   | PQ1CG2032FZ    |    |
| D5034          | 8-719-083-60  | DIODE       | UDZSTE-174.7B  |      | ⚠ IC5005       | 8-759-198-31                 | IC                   | UPC1093J-1-T   |    |
| D6001          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      |                |                              |                      |                |    |
| D6002          | 8-719-948-45  | DIODE       | ERA22-08       |      | IC5006         | 8-759-471-81                 | IC                   | PQ05RD11       |    |
| D6003          | 8-719-070-63  | DIODE       | PDZ10B-115     |      | IC6003         | 8-759-670-30                 | IC                   | MCZ3001D       |    |
| D6004          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      |                |                              |                      |                |    |
| D0001          | 0 1 10 000 01 | BIODE       | 1000012 17     |      |                | CHIP CONDUCTO                | <u>DR</u>            |                |    |
| D6005          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      | IDEANA         | 4 040 004 44                 | CHODT CHID           |                |    |
| D6006          | 8-719-063-70  | DIODE       | D1NL20U        |      | JR5002         | 1-216-864-11                 | SHORT CHIP           |                |    |
| D6007          | 8-719-022-99  | DIODE       | D6SB60L        |      | JR5003         | 1-216-295-91                 | SHORT CHIP           |                |    |
| D6009          | 8-719-083-60  | DIODE       | UDZSTE-174.7B  |      |                | 0011                         |                      |                |    |
| D6011          | 8-719-988-61  | DIODE       | 1SS355TE-17    |      |                | COIL                         |                      |                |    |
| 50011          | 0 1 10 000 01 | BIODE       | 10000012 11    |      | L5001          | 1-412-523-41                 | INDUCTOR             | 6.8µH          |    |
| D6012          | 6-500-158-01  | DIODE       | 10ERA60-TA2B5  |      | L5002          | 1-412-523-41                 | INDUCTOR             | 6.8μH          |    |
| D6012          | 8-719-083-60  | DIODE       | UDZSTE-174.7B  |      | L5002          | 1-412-529-11                 | INDUCTOR             | 0.ομ11<br>22μH |    |
| D6013          | 8-719-068-00  | DIODE       | ERC04-06SE     |      | L5003          | 1-412-531-31                 | INDUCTOR             | 33µH           |    |
| D6023          | 8-719-068-00  | DIODE       | ERC04-06SE     |      | L5004          | 1-412-527-11                 | INDUCTOR             | 35μH           |    |
| D6030          | 8-719-063-70  | DIODE       | D1NL20U        |      | LJUUJ          | 1- <del>1</del> 12-021-11    | II ADOUTON           | ισμιι          |    |
| מטטט           | U-1 10-000-10 | DIODL       | DINLL          |      | L5006          | 1-412-533-21                 | INDUCTOR             | 47µH           |    |
|                | <u>FUSE</u>   |             |                |      | L5007          | 1-412-533-21                 | INDUCTOR             | 47μΠ<br>47μΗ   |    |
|                | <u> 1 00L</u> |             |                |      |                |                              |                      | •              |    |
| ⚠ F6001        | 1-576-193-11  | FUSE        | 6.3A           | 125V |                |                              |                      |                |    |
| ⚠ F6001        | 1-576-193-11  | FUSE        | 6.3A           | 125V | L5008<br>L5009 | 1-412-529-11<br>1-412-529-11 | INDUCTOR<br>INDUCTOR | 22µН<br>22µН   |    |



|             | REF.NO. | PART NO.     | DESCRIPTION       | VALUES           |       | REF.NO.   | PART NO.     | DESCRIPTION   | VALU | JES     |               |
|-------------|---------|--------------|-------------------|------------------|-------|-----------|--------------|---------------|------|---------|---------------|
|             | L5010   | 1-412-521-31 | INDUCTOR          | 4.7µH            |       | R5019     | 1-216-857-11 | METAL CHIP    | 1M   | 5%      | 1/10W         |
|             | L5011   | 1-412-521-31 | INDUCTOR          | 4.7μH            |       | R5020     | 1-216-821-11 | METAL CHIP    | 1K   | 5%      | 1/10W         |
|             | L5012   | 1-406-663-21 | INDUCTOR          | 47μH             |       | R5021     | 1-216-821-11 | METAL CHIP    | 1K   | 5%      | 1/10W         |
|             | L5013   | 1-412-525-31 | INDUCTOR          | 10µH             |       | ⚠ R5022   | 1-218-708-11 | METAL CHIP    | 4.7K | 0.50%   |               |
|             | L5014   | 1-406-663-21 | INDUCTOR          | 47μH             |       | ∴ R5022   | 1-218-750-11 | METAL CHIP    | 270K | 0.50%   |               |
|             | L3014   | 1-400-003-21 | INDUCTOR          | 47μΠ             |       | Z:∆ N3023 | 1-210-730-11 | WIL TAL CITIF | 2701 | 0.50 /6 | 1/1000        |
|             | L5015   | 1-424-862-11 | INDUCTOR          | 33µH             |       | R5024     | 1-218-682-11 | METAL CHIP    | 390  | 0.50%   |               |
|             | L5016   | 1-406-663-21 | INDUCTOR          | 47µH             |       | R5025     | 1-218-697-11 | METAL CHIP    | 1.6K | 0.50%   | 1/10W         |
|             | L5017   | 1-412-537-31 | INDUCTOR          | 100μH            |       | R5026     | 1-216-833-11 | METAL CHIP    | 10K  | 5%      | 1/10W         |
| <u>^!\</u>  | L6001   | 1-437-479-11 | TRANSFORMER, LINE | E FILTER         |       | R5027     | 1-216-821-11 | METAL CHIP    | 1K   | 5%      | 1/10W         |
| <u>^</u> !\ | L6002   | 1-437-479-11 | TRANSFORMER, LINE | E FILTER         |       | R5028     | 1-216-821-11 | METAL CHIP    | 1K   | 5%      | 1/10W         |
|             | L6003   | 1-424-862-11 | INDUCTOR          | 33µH             |       |           |              |               |      |         |               |
|             |         |              |                   |                  |       | R5029     | 1-216-837-11 | METAL CHIP    | 22K  | 5%      | 1/10W         |
|             |         | PHOTO COUPLE | <u>:R</u>         |                  |       | R5030     | 1-216-837-11 | METAL CHIP    | 22K  | 5%      | 1/10W         |
| Δ           | D110001 |              | D. 1070 0011D1 5D | 0110171          |       | R5032     | 1-249-415-11 | CARBON        | 680  | 5%      | 1/4W          |
| <u>(İ</u>   | PH6001  | 8-749-924-35 | PHOTO COUPLER     | ON3171-R         |       | R5034     | 1-216-833-11 | METAL CHIP    | 10K  | 5%      | 1/10W         |
| <u>/!\</u>  | PH6002  | 8-749-924-35 | PHOTO COUPLER     | ON3171-R         |       | R5035     | 1-216-819-11 | METAL CHIP    | 680  | 5%      | 1/10W         |
|             |         | IC LINK      |                   |                  |       | DECCO     |              | METAL OLUB    | 200  | =0/     | 4440044       |
|             |         | <del></del>  |                   |                  |       | R5036     | 1-216-819-11 | METAL CHIP    | 680  | 5%      | 1/10W         |
| <u> </u>    | PS5001  | 1-533-597-31 | IC LINK           | 5A 90V           |       | R5037     | 1-216-821-11 | METAL CHIP    | 1K   | 5%      | 1/10W         |
| <u>^</u>    | PS5002  | 1-533-597-31 | IC LINK           | 5A 90V           |       | R5038     | 1-216-821-11 | METAL CHIP    | 1K   | 5%      | 1/10W         |
|             |         |              |                   |                  |       | R5039     | 1-216-864-11 | SHORT CHIP    |      |         |               |
|             |         | TRANSISTOR   |                   |                  |       | R5040     | 1-216-833-11 | METAL CHIP    | 10K  | 5%      | 1/10W         |
|             | Q5001   | 8-729-050-50 | TRANSISTOR        | 2SD1782K-T146-R  |       | R5041     | 1-215-866-11 | METAL OXIDE   | 330  | 5%      | 1W            |
|             | Q5002   | 8-729-120-28 | TRANSISTOR        | 2SC1623-L5L6     |       | R5042     | 1-216-833-11 | METAL CHIP    | 10K  | 5%      | 1/10W         |
|             | Q5003   | 8-729-026-49 | TRANSISTOR        | 2SA1037AK-T146-F | ₹     | R5042     | 1-216-821-11 | METAL CHIP    | 1K   | 5%      | 1/10W         |
|             | Q5004   | 8-729-120-28 | TRANSISTOR        | 2SC1623-L5L6     | `     |           |              |               |      |         |               |
|             | Q5005   | 8-729-027-23 | TRANSISTOR        | DTA114EKA-T146   |       | R5044     | 1-216-821-11 | METAL CHIP    | 1K   | 5%      | 1/10W         |
|             | Q0000   | 0 120 021 20 | TIV WOISTOIL      | DIMITALINATIO    |       | R5045     | 1-216-832-11 | METAL CHIP    | 8.2K | 5%      | 1/10W         |
|             | Q5006   | 8-729-901-87 | TRANSISTOR        | 2SC2411K-CQ      |       | R5047     | 1-216-833-11 | METAL CHIP    | 10K  | 5%      | 1/10W         |
|             | Q5007   | 8-729-026-49 | TRANSISTOR        | 2SA1037AK-T146-F | ₹     | R5048     | 1-216-833-11 | METAL CHIP    | 10K  | 5%      | 1/10W         |
|             | Q6005   | 8-729-052-32 | TRANSISTOR        | IRFIB7N50A-LF31  |       | R6002     | 1-240-251-11 | CEMENTED      | 6.8  | 5%      | 10W           |
|             | Q6006   | 8-729-052-32 | TRANSISTOR        | IRFIB7N50A-LF31  |       | R6003     | 1-260-328-11 | CARBON        | 1K   | 5%      | 1/2W          |
|             |         |              |                   |                  |       | R6004     | 1-216-829-11 | METAL CHIP    | 4.7K | 5%      | 1/10W         |
|             |         | RESISTOR     |                   |                  |       |           |              |               |      |         |               |
|             | R5005   | 1-218-867-11 | METAL CHIP        | 6.8K 0.50%       | 1/10W | R6006     | 1-216-430-11 | METAL OXIDE   | 390  | 5%      | 1W            |
|             | R5006   | 1-216-833-11 | METAL CHIP        |                  | 1/10W | R6007     | 1-216-823-11 | METAL CHIP    | 1.5K | 5%      | 1/10W         |
|             | R5007   | 1-249-377-11 | CARBON            |                  | 1/4W  | R6008     | 1-216-845-11 | METAL CHIP    | 100K | 5%      | 1/10W         |
|             | R5010   | 1-247-903-00 | CARBON            |                  | 1/4W  | ⚠ R6015   | 1-219-776-11 | CARBON        | 2.2M | 10%     | 1/2W          |
|             | R5011   | 1-216-818-11 | METAL CHIP        |                  | 1/10W | R6036     | 1-218-715-11 | METAL CHIP    | 9.1K | 0.50%   | 1/10W         |
|             |         |              |                   |                  |       | R6037     | 1-215-481-00 | METAL         | 330K | 1%      | 1/4W          |
|             | R5012   | 1-216-361-00 | METAL OXIDE       |                  | 2W    | R6038     | 1-215-481-00 | METAL         | 330K | 1%      | 1/4VV<br>1/4W |
|             | R5013   | 1-216-833-11 | METAL CHIP        |                  | 1/10W |           |              |               |      |         |               |
|             | R5014   | 1-216-829-11 | METAL CHIP        | 4.7K 5%          | 1/10W | R6039     | 1-216-851-11 | METAL CHIP    | 330K | 5%      | 1/10W         |
|             | R5015   | 1-218-708-11 | METAL CHIP        | 4.7K 0.50%       | 1/10W | R6040     | 1-215-481-00 | METAL OLUB    | 330K | 1%      | 1/4W          |
|             | R5016   | 1-216-833-11 | METAL CHIP        | 10K 5%           | 1/10W | R6041     | 1-218-668-11 | METAL CHIP    | 100  | 0.50%   | 1/10W         |
|             | R5017   | 1 216 020 44 | METAL CHIP        | 4.7K 5%          | 1/10W | R6042     | 1-218-719-11 | METAL CHIP    | 13K  | 0.50%   | 1/10W         |
|             |         | 1-216-829-11 |                   |                  |       | R6045     | 1-218-675-11 | METAL CHIP    | 200  |         | 1/10W         |
|             | R5018   | 1-216-821-11 | METAL CHIP        | 1K 5%            | 1/10W | R6046     | 1-216-813-11 | METAL CHIP    | 220  | 5%      | 1/10W         |
|             |         |              |                   |                  |       | R6047     | 1-216-813-11 | METAL CHIP    | 220  | 5%      | 1/10W         |
|             |         |              |                   |                  | l     | 1.0011    | 5 5 15 11    |               |      | 370     |               |



| REF.NO.                                     | PART NO.                     | DESCRIPTION                       | VALUE      | ES       |           | REF.NO.        | PART NO.     | DESCRIPTION   | VALU           | ES   |            |
|---|------------------------------|-----------------------------------|------------|----------|-----------|----------------|--------------|---------------|----------------|------|------------|
| R6050                                       | 1-249-417-11                 | CARBON                            | 1K         | 5%       | 1/4W      | C7013          | 1-162-970-11 | CERAMIC CHIP  | 0.01µF         | 10%  | 25V        |
| R6054                                       | 1-249-393-11                 | CARBON                            | 10         | 5%       | 1/4W      | C7014          | 1-162-970-11 | CERAMIC CHIP  | 0.01µF         | 10%  | 25V        |
| R6056                                       | 1-260-131-11                 | CARBON                            | 470K       | 5%       | 1/2W      | C7015          | 1-162-970-11 | CERAMIC CHIP  | 0.01µF         | 10%  | 25V        |
| R6057                                       | 1-260-131-11                 | CARBON                            | 470K       | 5%       | 1/2W      | C7016          | 1-162-970-11 | CERAMIC CHIP  | 0.01µF         | 10%  | 25V        |
| R6058                                       | 1-249-393-11                 | CARBON                            | 10         | 5%       | 1/4W      | C7017          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |
| R6062                                       | 1-216-833-11                 | METAL CHIP                        | 10K        | 5%       | 1/10W     | C7018          | 1-162-923-11 | CERAMIC CHIP  | 47pF           | 5%   | 50V        |
| R6063                                       | 1-216-833-11                 | METAL CHIP                        | 10K        | 5%       | 1/10W     | C7019          | 1-162-923-11 | CERAMIC CHIP  | 47pF           | 5%   | 50V        |
| R6064                                       | 1-202-933-61                 | FUSIBLE                           | 0.1        | 10%      | 1/2W      | C7020          | 1-162-923-11 | CERAMIC CHIP  | 47pF           | 5%   | 50V        |
| R6076                                       | 1-243-979-71                 | METAL OXIDE                       | 0.1        | 5%       | 2W        | C7021          | 1-124-779-00 | ELECT CHIP    | 10μF           | 20%  | 16V        |
| R6080                                       | 1-243-979-71                 | METAL OXIDE                       | 0.1        | 5%       | 2W        | C7022          | 1-115-416-11 | CERAMIC CHIP  | 0.001µF        | 5%   | 25V        |
| R6081                                       | 1-249-393-11                 | CARBON                            | 10         | 5%       | 1/4W      | C7023          | 1-162-927-11 | CERAMIC CHIP  | 100pF          | 5%   | 50V        |
|   |                              |                                   |            |          |           | C7024          | 1-124-779-00 | ELECT CHIP    | 10μF           | 20%  | 16V        |
|   | <u>RELAY</u>                 |                                   |            |          |           | C7025          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |
| Α   |                              | DEL AVVIA DELL'EST                |            |          |           | C7026          | 1-124-779-00 | ELECT CHIP    | 10μF           | 20%  | 16V        |
| <ul><li>⚠ RY6002</li><li>⚠ RY6003</li></ul> | 1-755-395-11<br>1-755-395-11 | RELAY (AC POWER) RELAY (AC POWER) |            |          |           | C7027          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |
|   |                              | ,                                 |            |          |           | C7028          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |
|   | TRANSFORMER                  |                                   |            |          |           | C7029          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |
| <b>1</b> 16001                              | 1-437-436-11                 | CONVERTER TRANSF                  | ORMER (F   | PIT)     |           | C7030          | 1-162-927-11 | CERAMIC CHIP  | 100pF          | 5%   | 50V        |
| T6004                                       | 1-435-675-11                 | TRANSFORMER, STA                  | ,          | ,        |           | C7031          | 1-162-927-11 | CERAMIC CHIP  | 100pF          | 5%   | 50V        |
| 10001                                       |                              | THE WOLLT OF WILLY, OTHER         |            |          |           | C7032          | 1-162-927-11 | CERAMIC CHIP  | 100pF          | 5%   | 50V        |
|   | THERMISTOR                   |                                   |            |          |           | C7033          | 1-124-779-00 | ELECT CHIP    | 10μF           | 20%  | 16V        |
| TH6002                                      | 1-804-475-21                 | POSISTOR                          |            |          |           | C7034          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |
|   |                              |                                   |            |          |           | C7035          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |
|   | <u>VARISTOR</u>              |                                   |            |          |           | C7036          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |
| VD6001                                      | 1-801-073-31                 | VARISTOR                          | ERZV14     | D471     |           | C7037          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |
|   |                              |                                   |            |          |           | C7038          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |
| <u> </u>                                    |                              |                                   |            |          |           | C7039          | 1-126-395-11 | ELECT CHIP    | 22µF           | 20%  | 16V        |
| Due to t                                    | he complexity of             | this board, performin             | a compo    | nont lo  | val field | C7040          | 1-162-921-11 | CERAMIC CHIP  | 33pF           | 5%   | 50V        |
|   |                              | ded. If service is requ           |            |          |           | C7041          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |
| replace                                     | ment is the prefer           | red repair method.                | iieu, coii | ipiete b | oaru      | C7042          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |
| Data is                                     | provided for refer           | ence only.                        |            |          |           | C7043          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |
|   | A-1300-324-A                 | UD BOARD, COMP                    | LETE       |          |           | C7044          | 1-164-156-11 | CERAMIC CHIP  | 0.1μF          |      | 25V        |
|   | A-1300-324-A                 | JD BOAKD, COMP                    |            |          |           | C7044          | 1-164-156-11 | CERAMIC CHIP  | 0.1μΓ<br>0.1μF |      | 25V        |
|   | CAPACITOR                    |                                   |            |          |           | C7045          | 1-164-156-11 | CERAMIC CHIP  | 0.1μF          |      | 25V<br>25V |
|   | 271171011                    |                                   |            |          |           | C7040          | 1-164-156-11 | CERAMIC CHIP  | 0.1μF          |      | 25V        |
| C7001                                       | 1-126-395-11                 | ELECT CHIP                        | 22µF       | 20%      | 16V       | 0,04,          | 1 10T 100-11 | OLI WIND OF H | υ. τμι         |      | 20 V       |
| C7002                                       | 1-162-917-11                 | CERAMIC CHIP                      | 15pF       | 5%       | 50V       | C7048          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |
| C7004                                       | 1-162-970-11                 | CERAMIC CHIP                      | 0.01µF     | 10%      | 25V       | C7048          | 1-164-156-11 | CERAMIC CHIP  | 0.1μF          |      | 25V<br>25V |
| C7005                                       | 1-162-970-11                 | CERAMIC CHIP                      | 0.01µF     | 10%      | 25V       | C7049<br>C7050 | 1-164-156-11 | CERAMIC CHIP  | 0.1μF<br>0.1μF |      | 25V<br>25V |
| C7006                                       | 1-124-779-00                 | ELECT CHIP                        | 10μF       | 20%      | 16V       | C7050          | 1-164-156-11 | CERAMIC CHIP  | 0.1μF<br>0.1μF |      | 25V<br>25V |
|   |                              |                                   |            |          |           |                |              |               |                |      |            |
| C7007                                       | 1-162-917-11                 | CERAMIC CHIP                      | 15pF       | 5%       | 50V       | C7052          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |
| C7008                                       | 1-162-970-11                 | CERAMIC CHIP                      | 0.01µF     | 10%      | 25V       | 07052          | 1 16/ 156 11 | CEDAMIC CLUD  | 0.400          |      | 25/        |
| C7010                                       | 1-162-970-11                 | CERAMIC CHIP                      | 0.01µF     | 10%      | 25V       | C7053          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          | 200/ | 25V        |
| C7011                                       | 1-162-970-11                 | CERAMIC CHIP                      | 0.01µF     | 10%      | 25V       | C7056          | 1-126-395-11 | ELECT CHIP    | 22µF           | 20%  | 16V        |
| C7012                                       | 1-124-779-00                 | ELECT CHIP                        | 10µF       | 20%      | 16V       | C7057          | 1-162-921-11 | CERAMIC CHIP  | 33pF           | 5%   | 50V        |
| J. V.E                                      | 0 00                         |                                   | . • p.,    | _0,0     |           | C7058          | 1-164-156-11 | CERAMIC CHIP  | 0.1µF          |      | 25V        |



| RE   | EF.NO.         | PART NO.                     | DESCRIPTION               | VALUE            | s       |            | REF.NO.        | PART NO.                     | DESCRIPTION    | VALU    | ES          |         |
|------|----------------|------------------------------|---------------------------|------------------|---------|------------|----------------|------------------------------|----------------|---------|-------------|---------|
| C    | 7059           | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF            |         | 25V        | IC7006         | 8-759-641-86                 | IC             | BR24C16 | F-E2        |         |
| C    | 7060           | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF            |         | 25V        | IC7007         | 6-702-170-01                 | IC             | PACDN0  | 06S         |         |
| C    | 7061           | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF            |         | 25V        | IC7008         | 6-702-170-01                 | IC             | PACDN0  | 06S         |         |
| C    | 7062           | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF            |         | 25V        | IC7009         | 6-702-170-01                 | IC             | PACDN0  | 06S         |         |
| C    | 7064           | 1-126-395-11                 | ELECT CHIP                | 22μF             | 20%     | 16V        |                |                              |                |         |             |         |
| C.   | 7065           | 1 160 070 11                 | CEDAMIC CUID              | 0.04             | 10%     | 25V        |                | COIL                         |                |         |             |         |
|      | 7065<br>7066   | 1-162-970-11<br>1-162-970-11 | CERAMIC CHIP              | 0.01µF           | 10%     |            | L7001          | 1-412-058-11                 | INDUCTOR       | 10µH    |             |         |
|      | 7066<br>7067   |                              | CERAMIC CHIP CERAMIC CHIP | 0.01µF           | 10%     | 25V<br>25V | L7002          | 1-412-058-11                 | INDUCTOR       | 10μΗ    |             |         |
|      | 7067<br>7068   | 1-162-970-11                 |                           | 0.01µF           | 10%     | 25V<br>25V |                |                              |                | ·       |             |         |
|      | 7066<br>7069   | 1-162-970-11<br>1-162-970-11 | CERAMIC CHIP CERAMIC CHIP | 0.01µF<br>0.01µF | 10%     | 25V<br>25V |                | RESISTOR                     |                |         |             |         |
| C.   | 1009           | 1-102-970-11                 | CERAWIC CHIP              | υ.υ ιμΓ          | 1070    | 237        | D7000          | 4 040 004 44                 | METAL OLUB     | 417     | <b>5</b> 0/ | 4/40/4/ |
| C.   | 7070           | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF            |         | 25V        | R7003          | 1-216-821-11                 | METAL CHIP     | 1K      | 5%          | 1/10W   |
|      | 7071           | 1-164-156-11                 | CERAMIC CHIP              | 0.1μF            |         | 25V<br>25V | R7004          | 1-218-852-11                 | METAL CHIP     | 1.6K    | 0.50%       |         |
|      | 7078           | 1-164-156-11                 | CERAMIC CHIP              | 0.1μF            |         | 25V<br>25V | R7007          | 1-216-821-11                 | METAL CHIP     | 1K      | 5%          | 1/10W   |
|      | 7079           | 1-164-156-11                 | CERAMIC CHIP              | 0.1μF<br>0.1μF   |         | 25V<br>25V | R7012          | 1-216-821-11                 | METAL CHIP     | 1K      | 5%          | 1/10W   |
|      | 7079<br>7080   | 1-164-156-11                 | CERAMIC CHIP              | 0.1μF<br>0.1μF   |         | 25V<br>25V | R7013          | 1-216-821-11                 | METAL CHIP     | 1K      | 5%          | 1/10W   |
|      |                |                              |                           |                  |         |            | R7014          | 1-216-821-11                 | METAL CHIP     | 1K      | 5%          | 1/10W   |
|      |                | CONNECTOR                    |                           |                  |         |            | R7015          | 1-216-833-11                 | METAL CHIP     | 10K     | 5%          | 1/10W   |
|      |                |                              |                           |                  |         |            | R7016          | 1-216-833-11                 | METAL CHIP     | 10K     | 5%          | 1/10W   |
|      | N7001          | 1-816-228-21                 | CONNECTOR, DVI            |                  |         |            | R7020          | 1-216-833-11                 | METAL CHIP     | 10K     | 5%          | 1/10W   |
|      | N7002          | 1-564-526-11                 | PLUG, CONNECTOR           | 11P              |         |            | R7020          | 1-216-833-11                 | METAL CHIP     | 10K     | 5%          | 1/10W   |
| * CI | N7004          | 1-564-519-11                 | PLUG, CONNECTOR           | 4P               |         |            | TOZI           | 1 210 000 11                 | ME I/IE OF III | TOIX    | 070         | 171011  |
|      |                | DIODE                        |                           |                  |         |            | R7023          | 1-216-833-11                 | METAL CHIP     | 10K     | 5%          | 1/10W   |
|      |                | DIODE                        |                           |                  |         |            | R7024          | 1-216-833-11                 | METAL CHIP     | 10K     | 5%          | 1/10W   |
| D7   | 7001           | 8-719-914-43                 | DIODE                     | DAN202K          | (       |            | R7025          | 1-216-833-11                 | METAL CHIP     | 10K     | 5%          | 1/10W   |
| D.   | 7002           | 8-719-069-55                 | DIODE                     | UDZSTE-          | -175.6B |            | R7026          | 1-216-833-11                 | METAL CHIP     | 10K     | 5%          | 1/10W   |
| D7   | 7003           | 8-719-069-55                 | DIODE                     | UDZSTE-          | -175.6B |            | R7029          | 1-218-692-11                 | METAL CHIP     | 1K      | 0.50%       | 1/10W   |
| D    | 7004           | 8-719-069-55                 | DIODE                     | UDZSTE-          | -175.6B |            |                |                              |                |         |             |         |
| D    | 7006           | 8-719-069-55                 | DIODE                     | UDZSTE-          | -175.6B |            | R7030          | 1-216-864-11                 | SHORT CHIP     |         |             |         |
|      |                |                              |                           |                  |         |            | R7032          | 1-218-676-11                 | METAL CHIP     | 220     | 0.50%       | 1/10W   |
|      |                | FERRITE BEAD                 |                           |                  |         |            | R7034          | 1-218-676-11                 | METAL CHIP     | 220     | 0.50%       | 1/10W   |
|      | B7001          | 1-414-760-21                 | FERRITE                   | 0µH              |         |            | R7036          | 1-218-704-11                 | METAL CHIP     | 3.3K    | 0.50%       | 1/10W   |
|      | B7001<br>B7002 | 1-414-760-21                 | FERRITE                   | υμπ<br>0μΗ       |         |            | R7037          | 1-218-676-11                 | METAL CHIP     | 220     | 0.50%       | 1/10W   |
|      | B7003          | 1-414-760-21                 | FERRITE                   | 0μΗ              |         |            | D7044          | 4 040 000 44                 | METAL CLUD     | 4017    | <b>F</b> 0/ | 4/40\4/ |
|      | B7004          | 1-414-760-21                 | FERRITE                   | 0μH              |         |            | R7041          | 1-216-833-11                 | METAL CHIP     | 10K     | 5%          | 1/10W   |
|      |                |                              |                           | - 1              |         |            | R7043          | 1-216-829-11                 | METAL CHIP     | 4.7K    | 5%          | 1/10W   |
|      |                | <u>FILTER</u>                |                           |                  |         |            | R7044          | 1-216-829-11                 | METAL CHIP     | 4.7K    | 5%          | 1/10W   |
|      |                |                              |                           |                  |         |            | R7045          | 1-216-833-11                 | METAL CHIP     | 10K     | 5%          | 1/10W   |
|      | L7001          | 1-400-087-21                 | FILTER, EMI REMOVAL       | (SMD)            |         |            | R7047          | 1-216-833-11                 | METAL CHIP     | 10K     | 5%          | 1/10W   |
|      | L7002          | 1-234-560-21                 | FILTER, LOW PASS          |                  |         |            | D7051          | 1 216 064 11                 | SHORT CHIP     |         |             |         |
|      | L7003          | 1-234-559-21                 | FILTER, LOW PASS          |                  |         |            | R7051<br>R7053 | 1-216-864-11<br>1-216-833-11 |                | 10K     | 5%          | 1/10W   |
| FL   | L7004          | 1-234-559-21                 | FILTER, LOW PASS          |                  |         |            | R7053<br>R7054 | 1-216-833-11                 | METAL CHIP     | 10K     | 5%<br>5%    | 1/10W   |
|      |                |                              |                           |                  |         |            |                |                              | METAL CHIP     |         |             | 1/10W   |
|      |                | <u>IC</u>                    |                           |                  |         |            | R7056          | 1-216-833-11                 | METAL CHIP     | 10K     | 5%          | 1/1000  |
| IC   | 7001           | 8-759-640-39                 | IC                        | BR24C02          | F-WE2   |            | R7057          | 1-216-864-11                 | SHORT CHIP     |         |             |         |
|      | 7002           | 8-749-015-18                 | IC                        | PQ07VZ0          |         |            | R7058          | 1-216-833-11                 | METAL CHIP     | 10K     | 5%          | 1/10W   |
|      | 7003           | 8-749-015-18                 | IC                        | PQ07VZ0          |         |            | R7056<br>R7059 | 1-216-864-11                 | SHORT CHIP     | IUN     | J /0        | 1/ 1000 |
|      | 7004           | 6-702-080-01                 | IC                        | GM7030-          |         |            | R7059<br>R7060 | 1-216-833-11                 | METAL CHIP     | 10K     | 5%          | 1/10W   |
|      | 7005           | 6-802-346-01                 | IC                        | ST72631F         |         | NLTR       | R7060<br>R7061 |                              |                |         |             | 1/10W   |
| ,0   |                | 20201001                     | · <del>-</del>            | 520011           |         |            | R7061<br>R7062 | 1-216-833-11                 | METAL CHIP     | 10K     | 5%          | 1/1044  |
|      |                |                              |                           |                  |         |            | K/U02          | 1-216-864-11                 | SHORT CHIP     |         |             |         |



| REF.NO.    | PART NO.     | DESCRIPTION       | VALUE | S     |       | REF.NO. | PART NO.     | DESCRIPTION           | VALUE        | S    |     |
|------------|--------------|-------------------|-------|-------|-------|---------|--------------|-----------------------|--------------|------|-----|
| R7065      | 1-216-833-11 | METAL CHIP        | 10K   | 5%    | 1/10W | C3      | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
| R7066      | 1-218-694-11 | METAL CHIP        | 1.2K  | 0.50% | 1/10W | C4      | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
| R7067      | 1-216-833-11 | METAL CHIP        | 10K   | 5%    | 1/10W | C5      | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
| R7068      | 1-216-801-11 | METAL CHIP        | 22    | 5%    | 1/10W | C6      | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
| R7069      | 1-216-801-11 | METAL CHIP        | 22    | 5%    | 1/10W | C7      | 1-126-933-11 | ELECT                 | 100µF        | 20%  | 16V |
|            |              |                   |       |       |       |         |              |                       |              |      |     |
| R7071      | 1-216-803-11 | METAL CHIP        | 33    | 5%    | 1/10W | C8      | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
| R7072      | 1-216-803-11 | METAL CHIP        | 33    | 5%    | 1/10W | C9      | 1-115-416-11 | CERAMIC CHIP          | 0.001µF      | 5%   | 25V |
| R7075      | 1-218-676-11 | METAL CHIP        | 220   | 0.50% | 1/10W | C10     | 1-162-974-11 | CERAMIC CHIP          | 0.01µF       |      | 50V |
| R7080      | 1-218-704-11 | METAL CHIP        | 3.3K  | 0.50% | 1/10W | C11     | 1-126-933-11 | ELECT                 | 100µF        | 20%  | 16V |
| R7087      | 1-218-680-11 | METAL CHIP        | 330   | 0.50% | 1/10W | C12     | 1-126-933-11 | ELECT                 | 100μF        | 20%  | 16V |
|            |              |                   |       |       |       |         |              |                       |              |      |     |
| R7096      | 1-216-833-11 | METAL CHIP        | 10K   | 5%    | 1/10W | C13     | 1-164-739-11 | CERAMIC CHIP          | 560pF        | 5%   | 50V |
| R7097      | 1-216-809-11 | METAL CHIP        | 100   | 5%    | 1/10W | C14     | 1-165-176-11 | CERAMIC CHIP          | 0.047µF      | 10%  | 16V |
| R7098      | 1-216-809-11 | METAL CHIP        | 100   | 5%    | 1/10W | C15     | 1-164-392-11 | CERAMIC CHIP          | 390pF        | 5%   | 50V |
| R7099      | 1-216-809-11 | METAL CHIP        | 100   | 5%    | 1/10W | C16     | 1-162-927-11 | CERAMIC CHIP          | 100pF        | 5%   | 50V |
| R7101      | 1-216-864-11 | SHORT CHIP        |       |       |       | C17     | 1-115-414-11 | CERAMIC CHIP          | 820pF        | 5%   | 25V |
|            |              |                   |       |       |       |         |              |                       |              |      |     |
| R7106      | 1-216-833-11 | METAL CHIP        | 10K   | 5%    | 1/10W | C18     | 1-162-919-11 | CERAMIC CHIP          | 22pF         | 5%   | 50V |
| R7108      | 1-216-805-11 | METAL CHIP        | 47    | 5%    | 1/10W | C19     | 1-162-919-11 | CERAMIC CHIP          | 22pF         | 5%   | 50V |
| R7109      | 1-216-805-11 | METAL CHIP        | 47    | 5%    | 1/10W | C20     | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
| R7111      | 1-216-864-11 | SHORT CHIP        |       |       |       | C21     | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
| R7112      | 1-216-864-11 | SHORT CHIP        |       |       |       | C22     | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
| R7113      | 1-216-864-11 | SHORT CHIP        |       |       |       | C23     | 1-162-974-11 | CERAMIC CHIP          | 0.01µF       |      | 50V |
| R7114      | 1-218-700-11 | METAL CHIP        | 2.2K  | 0.50% | 1/10W | C24     | 1-126-947-11 | ELECT                 | 47μF         | 20%  | 35V |
| R7115      | 1-218-700-11 | METAL CHIP        | 2.2K  |       | 1/10W | C25     | 1-126-947-11 | ELECT                 | 47μF         | 20%  | 35V |
| R7116      | 1-218-700-11 | METAL CHIP        | 2.2K  |       | 1/10W | C26     | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
| R7117      | 1-218-668-11 | METAL CHIP        | 100   |       | 1/10W | C27     | 1-126-947-11 | ELECT                 | 47μF         | 20%  | 35V |
|            |              |                   |       |       |       |         |              |                       |              |      |     |
| R7119      | 1-218-668-11 | METAL CHIP        | 100   | 0.50% | 1/10W | C28     | 1-162-974-11 | CERAMIC CHIP          | 0.01µF       |      | 50V |
| R7121      | 1-216-864-11 | SHORT CHIP        |       |       |       | C29     | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
| R7123      | 1-218-704-11 | METAL CHIP        | 3.3K  | 0.50% | 1/10W | C30     | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
| R7124      | 1-218-680-11 | METAL CHIP        | 330   | 0.50% | 1/10W | C31     | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
| R7125      | 1-218-700-11 | METAL CHIP        | 2.2K  | 0.50% | 1/10W | C32     | 1-126-964-11 | ELECT                 | 10μF         | 20%  | 50V |
| R7126      | 1-216-864-11 | SHORT CHIP        |       |       |       | C34     | 1-162-974-11 | CERAMIC CHIP          | 0.01µF       |      | 50V |
| 20         |              |                   |       |       |       | C35     | 1-126-947-11 | ELECT                 | 47µF         | 20%  | 35V |
|            | CRYSTAL      |                   |       |       |       | C36     | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
|            |              |                   |       |       |       | C37     | 1-162-974-11 | CERAMIC CHIP          | 0.01µF       |      | 50V |
| X7001      | 1-795-568-21 | VIBRATOR, CRYSTAL |       |       |       | C38     | 1-126-934-11 | ELECT                 | 220µF        | 20%  | 16V |
| X7002      | 1-795-567-21 | VIBRATOR, CRYSTAL |       |       |       |         |              |                       |              |      |     |
| lacksquare |              |                   |       |       |       | C39     | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
|            |              |                   |       |       |       | C40     | 1-162-974-11 | CERAMIC CHIP          | 0.01µF       |      | 50V |
| <u> </u>   | A 4000 4== * | A DOADD COURT     |       |       |       | C41     | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
| -          | A-1302-177-A | A BOARD, COMPLE   | 16    |       |       | C42     | 1-126-934-11 | ELECT                 | 220µF        | 20%  | 16V |
|            | CAPACITOR    |                   |       |       |       | C43     | 1-164-156-11 | CERAMIC CHIP          | 0.1µF        |      | 25V |
| 24         |              | FLEOT             | 400 = | 0001  | 40) ( | 044     | 1 100 047 44 | FLECT                 | 4 <b>7</b> ⊏ | 200/ | 25/ |
| C1         | 1-126-933-11 | ELECT             | 100μF | 20%   | 16V   | C44     | 1-126-947-11 | ELECT<br>CERAMIC CHIR | 47µF         | 20%  | 35V |
| C2         | 1-104-665-11 | ELECT             | 100μF | 20%   | 25V   | C45     | 1-162-979-11 | CERAMIC CHIP          | 0.0027µF     | 10%  | 50V |
|            |              |                   |       |       |       | C46     | 1-162-974-11 | CERAMIC CHIP          | 0.01µF       | 100/ | 50V |
|            |              |                   |       |       |       | C47     | 1-162-979-11 | CERAMIC CHIP          | 0.0027µF     | 10%  | 50V |



| REF.NO. | PART NO.     | DESCRIPTION     | VALUES         | 3     |     |     | REF.NO. | PART NO.     | DESCRIPTION    | VALUE           | s     |      |
|---------|--------------|-----------------|----------------|-------|-----|-----|---------|--------------|----------------|-----------------|-------|------|
| C49     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V | (   | C102    | 1-107-826-11 | CERAMIC CHIP   | 0.1µF           | 10%   | 16V  |
| C51     | 1-126-947-11 | ELECT           | 47μF           | 20%   | 35V | (   | C103    | 1-126-964-11 | ELECT          | 10μF            | 20%   | 50V  |
| C52     | 1-162-974-11 | CERAMIC CHIP    | 0.01µF         |       | 50V | (   | C104    | 1-164-156-11 | CERAMIC CHIP   | 0.1µF           |       | 25V  |
| C53     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V | (   | C105    | 1-164-156-11 | CERAMIC CHIP   | 0.1µF           |       | 25V  |
| C54     | 1-162-979-11 | CERAMIC CHIP    | 0.0027µF       | 10%   | 50V |     | C106    | 1-126-933-11 | ELECT          | 100µF           | 20%   | 16V  |
| C55     | 1-162-979-11 | CERAMIC CHIP    | 0.0027µF       | 10%   | 50V |     | C107    | 1-107-826-11 | CERAMIC CHIP   | 0.1µF           | 10%   | 16V  |
| C56     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V | (   | C108    | 1-162-917-11 | CERAMIC CHIP   | 15pF            | 5%    | 50V  |
| C57     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V | (   | C109    | 1-162-917-11 | CERAMIC CHIP   | 15pF            | 5%    | 50V  |
| C59     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V | (   | C110    | 1-164-156-11 | CERAMIC CHIP   | 0.1µF           |       | 25V  |
| C60     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V | (   | C111    | 1-164-156-11 | CERAMIC CHIP   | 0.1µF           |       | 25V  |
| C61     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V |     | C112    | 1-164-156-11 | CERAMIC CHIP   | 0.1µF           |       | 25V  |
| C62     | 1-126-947-11 | ELECT           | 47μF           | 20%   | 35V | (   | C113    | 1-164-156-11 | CERAMIC CHIP   | 0.1µF           |       | 25V  |
| C63     | 1-126-935-11 | ELECT           | 470μF          | 20%   | 16V | (   | C115    | 1-162-917-11 | CERAMIC CHIP   | 15pF            | 5%    | 50V  |
| C65     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V | (   | C116    | 1-162-917-11 | CERAMIC CHIP   | 15pF            | 5%    | 50V  |
| C66     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V | (   | C119    | 1-126-933-11 | ELECT          | 100µF           | 20%   | 16V  |
| C67     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V |     | C120    | 1-126-933-11 | ELECT          | 100µF           | 20%   | 16V  |
| C68     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V |     | C123    | 1-162-966-11 | CERAMIC CHIP   | 0.0022µF        | 10%   | 50V  |
| C69     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V |     | C124    | 1-164-346-11 | CERAMIC CHIP   | 1μF             |       | 16V  |
| C70     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V |     | C125    | 1-164-156-11 | CERAMIC CHIP   | 0.1µF           |       | 25V  |
| C73     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V |     | C128    | 1-162-960-11 | CERAMIC CHIP   | 220pF           | 10%   | 50V  |
| C74     | 1-126-964-11 | ELECT           | 10µF           | 20%   | 50V |     | C129    | 1-165-176-11 | CERAMIC CHIP   | 0.047µF         | 10%   | 16V  |
| C75     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V |     | C130    | 1-162-970-11 | CERAMIC CHIP   | 0.01µF          | 10%   | 25V  |
| C76     | 1-162-966-11 | CERAMIC CHIP    | 0.0022µF       | 10%   | 50V |     | C131    | 1-126-961-11 | ELECT          | 2.2µF           | 20%   | 50V  |
| C77     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V |     | C132    | 1-126-935-11 | ELECT          | 470µF           | 20%   | 16V  |
| C78     | 1-104-665-11 | ELECT           | 100µF          | 20%   | 25V |     | C133    | 1-126-964-11 | ELECT          | 10μF            | 20%   | 50V  |
| C79     | 1-126-933-11 | ELECT           | 100µF          | 20%   | 16V |     | C134    | 1-164-156-11 | CERAMIC CHIP   | 0.1µF           |       | 25V  |
| C80     | 1-126-967-11 | ELECT           | 47µF           | 20%   | 50V |     | C135    | 1-126-964-11 | ELECT          | 10μF            | 20%   | 50V  |
| C81     | 1-104-665-11 | ELECT           | 100µF          | 20%   | 25V |     | C136    | 1-164-156-11 | CERAMIC CHIP   | 0.1µF           |       | 25V  |
| C82     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V |     | C137    | 1-126-964-11 | ELECT          | 10μF            | 20%   | 50V  |
| C83     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V |     | C138    | 1-126-964-11 | ELECT          | 10µF            | 20%   | 50V  |
| C84     | 1-126-933-11 | ELECT           | 100µF          | 20%   | 16V |     | C139    | 1-126-964-11 | ELECT          | 10µF            | 20%   | 50V  |
| C86     | 1-162-970-11 | CERAMIC CHIP    | 0.01µF         | 10%   | 25V |     | C140    | 1-126-933-11 | ELECT          | 100µF           | 20%   | 16V  |
| C87     | 1-126-960-11 | ELECT           | 1μF            | 20%   | 50V |     | C141    | 1-126-933-11 | ELECT          | 100µF           | 20%   | 16V  |
| C88     | 1-126-933-11 | ELECT           | 100µF          | 20%   | 16V |     | C142    | 1-164-156-11 | CERAMIC CHIP   | 0.1µF           |       | 25V  |
| C90     | 1-126-964-11 | ELECT           | 10µF           | 20%   | 50V |     | C143    | 1-164-156-11 | CERAMIC CHIP   | 0.1µF           |       | 25V  |
| C92     | 1-164-156-11 | CERAMIC CHIP    | 0.1µF          |       | 25V |     | C144    | 1-126-964-11 | ELECT          | 10µF            | 20%   | 50V  |
| C93     | 1-126-964-11 | ELECT           | 10μF           | 20%   | 50V |     | C145    | 1-162-970-11 | CERAMIC CHIP   | 0.01µF          | 10%   | 25V  |
| C94     | 1-164-346-11 | CERAMIC CHIP    | 1υμι<br>1μF    | _0 /0 | 16V |     | C148    | 1-102-376-11 | ELECT          | 0.01μΓ<br>100μF | 20%   | 25V  |
| C95     | 1-162-970-11 | CERAMIC CHIP    | 0.01µF         | 10%   | 25V |     | C149    | 1-126-933-11 | ELECT          | 100μΓ<br>100μF  | 20%   | 16V  |
| C96     | 1-164-156-11 | CERAMIC CHIP    | 0.1μF          | 1070  | 25V |     | C150    | 1-164-156-11 | CERAMIC CHIP   | 0.1μF           | 2070  | 25V  |
| C97     | 1-164-315-11 | CERAMIC CHIP    | 470pF          | 5%    | 50V |     | C151    | 1-164-156-11 | CERAMIC CHIP   | 0.1µF           |       | 25V  |
| C98     | 1-126-960-11 | ELECT           | 470ρι<br>1μF   | 20%   | 50V |     | C301    | 1-162-970-11 | CERAMIC CHIP   | 0.1μF           | 10%   | 25V  |
| C99     | 1-165-176-11 | CERAMIC CHIP    | 1μ1<br>0.047μF | 10%   | 16V |     | C302    | 1-102-970-11 | CERAMIC CHIP   | 0.01μ1<br>1μF   | 10%   | 6.3V |
| C101    | 1-162-960-11 | CERAMIC CHIP    | 220pF          | 10%   | 50V |     | C303    | 1-123-037-31 | CERAMIC CHIP   | 0.1μF           | 10%   | 16V  |
| CIUI    | 1-102-200-11 | OLIVAIVIIO ONIF | ZZUPF          | 10 /0 | JUV | - 1 | JJUJ    | 1-101-020-11 | OLIVAINIO ONIF | υ. ιμΓ          | 10 /0 | 107  |



| REF.NO. | PART NO.     | DESCRIPTION       | VALUES           | 3     |      |   | REF.NO. | PART NO.     | DESCRIPTION     | VALUE            | S       |      |
|---------|--------------|-------------------|------------------|-------|------|---|---------|--------------|-----------------|------------------|---------|------|
| C304    | 1-164-315-11 | CERAMIC CHIP      | 470pF            | 5%    | 50V  |   | C349    | 1-125-891-11 | CERAMIC CHIP    | 0.47µF           | 10%     | 10V  |
| C305    | 1-162-917-11 | CERAMIC CHIP      | 15pF             | 5%    | 50V  |   | C350    | 1-126-935-11 | ELECT           | 470µF            | 20%     | 16V  |
| C306    | 1-107-826-11 | CERAMIC CHIP      | 0.1µF            | 10%   | 16V  |   | C351    | 1-164-156-11 | CERAMIC CHIP    | 0.1µF            | _0,,    | 25V  |
| C307    | 1-164-156-11 | CERAMIC CHIP      | 0.1μF            | 1070  | 25V  |   | C352    | 1-125-891-11 | CERAMIC CHIP    | 0.47μF           | 10%     | 10V  |
| C308    | 1-125-891-11 | CERAMIC CHIP      | 0.47μF           | 10%   | 10V  |   | C353    | 1-107-826-11 | CERAMIC CHIP    | 0.47 μι<br>0.1μF | 10%     | 16V  |
| 0300    | 1-120-031-11 | OLIVAIVIIO OI III | υ.+/μι           | 10 /0 | 10 V |   | 0000    | 1-107-020-11 | OLIVAINIO OTIII | υ. τμι           | 10 /0   | 100  |
| C309    | 1-126-933-11 | ELECT             | 100µF            | 20%   | 16V  |   | C354    | 1-126-963-11 | ELECT           | 4.7µF            | 20%     | 50V  |
| C310    | 1-126-964-11 | ELECT             | 10μF             | 20%   | 50V  |   | C355    | 1-107-826-11 | CERAMIC CHIP    | 0.1µF            | 10%     | 16V  |
| C311    | 1-126-933-11 | ELECT             | 100µF            | 20%   | 16V  |   | C356    | 1-107-826-11 | CERAMIC CHIP    | 0.1µF            | 10%     | 16V  |
| C312    | 1-164-156-11 | CERAMIC CHIP      | 0.1µF            |       | 25V  |   | C357    | 1-162-970-11 | CERAMIC CHIP    | 0.01µF           | 10%     | 25V  |
| C313    | 1-164-156-11 | CERAMIC CHIP      | 0.1µF            |       | 25V  |   | C358    | 1-162-917-11 | CERAMIC CHIP    | 15pF             | 5%      | 50V  |
| C314    | 1-107-826-11 | CERAMIC CHIP      | 0.1µF            | 10%   | 16V  |   | C359    | 1-125-891-11 | CERAMIC CHIP    | 0.47µF           | 10%     | 10V  |
| C315    | 1-107-826-11 | CERAMIC CHIP      | 0.1µF            | 10%   | 16V  |   | C360    | 1-162-917-11 | CERAMIC CHIP    | 15pF             | 5%      | 50V  |
| C316    | 1-162-964-11 | CERAMIC CHIP      | 0.001µF          | 10%   | 50V  |   | C361    | 1-125-891-11 | CERAMIC CHIP    | 0.47µF           | 10%     | 10V  |
| C317    | 1-107-826-11 | CERAMIC CHIP      | 0.1µF            | 10%   | 16V  |   | C362    | 1-164-156-11 | CERAMIC CHIP    | 0.1μF            | 1070    | 25V  |
| C318    | 1-164-156-11 | CERAMIC CHIP      | 0.1μF            | 10 /0 | 25V  |   | C363    | 1-126-933-11 | ELECT           | 100μF            | 20%     | 16V  |
|         |              |                   | · r              |       |      |   |         |              |                 |                  |         |      |
| C319    | 1-125-891-11 | CERAMIC CHIP      | 0.47µF           | 10%   | 10V  |   | C364    | 1-126-933-11 | ELECT           | 100µF            | 20%     | 16V  |
| C320    | 1-126-963-11 | ELECT             | 4.7µF            | 20%   | 50V  |   | C365    | 1-126-933-11 | ELECT           | 100µF            | 20%     | 16V  |
| C321    | 1-164-156-11 | CERAMIC CHIP      | 0.1µF            |       | 25V  |   | C366    | 1-125-891-11 | CERAMIC CHIP    | 0.47µF           | 10%     | 10V  |
| C322    | 1-126-933-11 | ELECT             | 100µF            | 20%   | 16V  |   | C367    | 1-125-837-91 | CERAMIC CHIP    | 1µF              | 10%     | 6.3V |
| C323    | 1-164-156-11 | CERAMIC CHIP      | 0.1µF            |       | 25V  |   | C368    | 1-107-826-11 | CERAMIC CHIP    | 0.1µF            | 10%     | 16V  |
| C325    | 1-107-826-11 | CERAMIC CHIP      | 0.1µF            | 10%   | 16V  |   | C369    | 1-126-933-11 | ELECT           | 100µF            | 20%     | 16V  |
| C326    | 1-164-315-11 | CERAMIC CHIP      | 470pF            | 5%    | 50V  |   | C370    | 1-126-933-11 | ELECT           | 100μF            | 20%     | 16V  |
| C327    | 1-162-917-11 | CERAMIC CHIP      | 15pF             | 5%    | 50V  |   | C371    | 1-126-933-11 | ELECT           | 100μF            | 20%     | 16V  |
| C328    | 1-107-826-11 | CERAMIC CHIP      | 0.1μF            | 10%   | 16V  |   | C372    | 1-126-933-11 | ELECT           | 100μΓ<br>100μF   | 20%     | 16V  |
| C329    | 1-125-891-11 | CERAMIC CHIP      | 0.47μF           | 10%   | 10V  |   | C373    | 1-164-156-11 | CERAMIC CHIP    | 0.1μF            | 2070    | 25V  |
|         |              |                   | • • • •          |       |      |   |         |              |                 |                  |         |      |
| C330    | 1-162-970-11 | CERAMIC CHIP      | 0.01µF           | 10%   | 25V  |   | C374    | 1-126-933-11 | ELECT           | 100μF            | 20%     | 16V  |
| C331    | 1-164-156-11 | CERAMIC CHIP      | 0.1µF            |       | 25V  |   | C375    | 1-164-156-11 | CERAMIC CHIP    | 0.1µF            |         | 25V  |
| C332    | 1-126-964-11 | ELECT             | 10µF             | 20%   | 50V  |   | C376    | 1-125-891-11 | CERAMIC CHIP    | 0.47µF           | 10%     | 10V  |
| C333    | 1-125-891-11 | CERAMIC CHIP      | 0.47µF           | 10%   | 10V  |   | C377    | 1-164-156-11 | CERAMIC CHIP    | 0.1µF            |         | 25V  |
| C334    | 1-125-891-11 | CERAMIC CHIP      | 0.47µF           | 10%   | 10V  |   | C378    | 1-164-156-11 | CERAMIC CHIP    | 0.1µF            |         | 25V  |
| C335    | 1-126-933-11 | ELECT             | 100μF            | 20%   | 16V  |   | C379    | 1-164-156-11 | CERAMIC CHIP    | 0.1µF            |         | 25V  |
| C336    | 1-125-891-11 | CERAMIC CHIP      | 0.47μF           | 10%   | 10V  |   | C380    | 1-162-964-11 | CERAMIC CHIP    | 0.001µF          | 10%     | 50V  |
| C337    | 1-107-826-11 | CERAMIC CHIP      | 0.47 μι<br>0.1μF | 10%   | 16V  |   | C381    | 1-107-826-11 | CERAMIC CHIP    | 0.001μΓ<br>0.1μF | 10%     | 16V  |
| C338    | 1-126-963-11 | ELECT             | 4.7μF            | 20%   | 50V  |   | C382    | 1-125-891-11 | CERAMIC CHIP    | 0.47μF           | 10%     | 10V  |
| C339    | 1-107-826-11 | CERAMIC CHIP      | 4.7μF            | 10%   | 16V  |   | C383    | 1-125-891-11 | CERAMIC CHIP    | 0.47μF           | 10%     | 10V  |
|         |              |                   | ·                |       |      |   |         |              |                 | ·                |         |      |
| C340    | 1-107-826-11 | CERAMIC CHIP      | 0.1µF            | 10%   | 16V  |   | C384    | 1-164-156-11 | CERAMIC CHIP    | 0.1µF            |         | 25V  |
| C341    | 1-162-968-11 | CERAMIC CHIP      | 0.0047µF         |       | 50V  |   | C385    | 1-162-968-11 | CERAMIC CHIP    | 0.0047µF         | 10%     | 50V  |
| C342    | 1-162-970-11 | CERAMIC CHIP      | 0.01µF           | 10%   | 25V  |   | C386    | 1-164-156-11 | CERAMIC CHIP    | 0.1µF            |         | 25V  |
| C343    | 1-126-963-11 | ELECT             | 4.7µF            | 20%   | 50V  |   | C387    | 1-126-964-11 | ELECT           | 10μF             | 20%     | 50V  |
| C344    | 1-107-826-11 | CERAMIC CHIP      | 0.1µF            | 10%   | 16V  |   | C388    | 1-125-891-11 | CERAMIC CHIP    | 0.47µF           | 10%     | 10V  |
| C345    | 1-107-826-11 | CERAMIC CHIP      | 0.1µF            | 10%   | 16V  |   | C389    | 1-125-891-11 | CERAMIC CHIP    | 0.47µF           | 10%     | 10V  |
| C346    | 1-125-891-11 | CERAMIC CHIP      | 0.47µF           | 10%   | 10V  |   | C390    | 1-126-964-11 | ELECT           | 10μF             | 20%     | 50V  |
| C347    | 1-164-156-11 | CERAMIC CHIP      | 0.1µF            |       | 25V  |   | C391    | 1-164-156-11 | CERAMIC CHIP    | 0.1µF            |         | 25V  |
| C348    | 1-164-156-11 | CERAMIC CHIP      | 0.1µF            |       | 25V  |   | C392    | 1-125-891-11 | CERAMIC CHIP    | 0.47µF           | 10%     | 10V  |
| 5510    |              | 22. 3 3 01111     | νμι              |       |      | I |         | 301 11       | 3 O O I III     | ν <b>μ</b> ι     | . 5 / 0 |      |



| REF.NO.           | PART NO.                     | DESCRIPTION      | VALUE                   | 3            |       | REF.NO. | PART NO.     | DESCRIPTION      | VALUE          | :S        |            |
|-------------------|------------------------------|------------------|-------------------------|--------------|-------|---------|--------------|------------------|----------------|-----------|------------|
| C393              | 1-125-891-11                 | CERAMIC CHIP     | 0.47µF                  | 10%          | 10V   | C468    | 1-125-891-11 | CERAMIC CHIP     | 0.47µF         | 10%       | 10V        |
| C394              | 1-126-933-11                 | ELECT            | 100µF                   | 20%          | 16V   | C470    | 1-162-970-11 | CERAMIC CHIP     | 0.01µF         | 10%       | 25V        |
| C395              | 1-125-891-11                 | CERAMIC CHIP     | 0.47µF                  | 10%          | 10V   | C472    | 1-125-891-11 | CERAMIC CHIP     | 0.47µF         | 10%       | 10V        |
| C396              | 1-125-891-11                 | CERAMIC CHIP     | 0.47µF                  | 10%          | 10V   | C476    | 1-164-156-11 | CERAMIC CHIP     | 0.1µF          |           | 25V        |
| C397              | 1-125-891-11                 | CERAMIC CHIP     | 0.47µF                  | 10%          | 10V   | C477    | 1-127-760-11 | CERAMIC CHIP     | 4.7μF          | 10%       | 6.3V       |
|                   |                              |                  | ·                       |              |       |         |              |                  |                |           |            |
| C398              | 1-164-156-11                 | CERAMIC CHIP     | 0.1µF                   |              | 25V   | C478    | 1-216-864-11 | SHORT CHIP       |                |           |            |
| C399              | 1-162-917-11                 | CERAMIC CHIP     | 15pF                    | 5%           | 50V   | C479    | 1-162-923-11 | CERAMIC CHIP     | 47pF           | 5%        | 50V        |
| C400              | 1-126-933-11                 | ELECT            | 100µF                   | 20%          | 16V   | C480    | 1-107-826-11 | CERAMIC CHIP     | 0.1µF          | 10%       | 16V        |
| C401              | 1-162-917-11                 | CERAMIC CHIP     | 15pF                    | 5%           | 50V   | C481    | 1-107-826-11 | CERAMIC CHIP     | 0.1µF          | 10%       | 16V        |
| C402              | 1-164-156-11                 | CERAMIC CHIP     | 0.1µF                   |              | 25V   | C482    | 1-107-826-11 | CERAMIC CHIP     | 0.1µF          | 10%       | 16V        |
| C404              | 1-164-156-11                 | CERAMIC CHIP     | 0.1µF                   |              | 25V   | C483    | 1-162-968-11 | CERAMIC CHIP     | 0.0047µF       | 10%       | 50V        |
| C405              | 1-164-156-11                 | CERAMIC CHIP     | 0.1µF                   |              | 25V   | C484    | 1-164-156-11 | CERAMIC CHIP     | 0.1µF          |           | 25V        |
| C406              | 1-127-760-11                 | CERAMIC CHIP     | 4.7µF                   | 10%          | 6.3V  | C485    | 1-125-891-11 | CERAMIC CHIP     | 0.47µF         | 10%       | 10V        |
| C407              | 1-127-760-11                 | CERAMIC CHIP     | 4.7µF                   | 10%          | 6.3V  | C486    | 1-115-467-11 | CERAMIC CHIP     | 0.22µF         | 10%       | 10V        |
| C408              | 1-127-760-11                 | CERAMIC CHIP     | 4.7µF                   | 10%          | 6.3V  | C487    | 1-107-826-11 | CERAMIC CHIP     | 0.1µF          | 10%       | 16V        |
| C410              | 1-126-934-11                 | ELECT            | 220µF                   | 20%          | 16V   | C488    | 1-126-933-11 | ELECT            | 100µF          | 20%       | 16V        |
| C413              | 1-164-156-11                 | CERAMIC CHIP     | 0.1µF                   |              | 25V   | C489    | 1-125-891-11 | CERAMIC CHIP     | 0.47µF         | 10%       | 10V        |
| C414              | 1-162-970-11                 | CERAMIC CHIP     | 0.01µF                  | 10%          | 25V   | C490    | 1-164-156-11 | CERAMIC CHIP     | 0.1µF          |           | 25V        |
| C415              | 1-125-837-91                 | CERAMIC CHIP     | 1μF                     | 10%          | 6.3V  | C494    | 1-126-933-11 | ELECT            | 100µF          | 20%       | 16V        |
| C416              | 1-164-156-11                 | CERAMIC CHIP     | 0.1µF                   |              | 25V   | C495    | 1-164-156-11 | CERAMIC CHIP     | 0.1µF          |           | 25V        |
| 0447              | 4 400 000 44                 | FLEOT            | 400 5                   | 000/         | 40) ( | 0.40=   | 4 400 000 44 | EL E.O.T.        | 400 5          | 000/      | 40) (      |
| C417              | 1-126-933-11                 | ELECT            | 100µF                   | 20%          | 16V   | C497    | 1-126-933-11 | ELECT            | 100μF          | 20%       | 16V        |
| C418              | 1-107-826-11                 | CERAMIC CHIP     | 0.1µF                   | 10%          | 16V   | C498    | 1-107-826-11 | CERAMIC CHIP     | 0.1µF          | 10%       | 16V        |
| C422              | 1-164-156-11                 | CERAMIC CHIP     | 0.1µF                   |              | 25V   | C500    | 1-164-816-11 | CERAMIC CHIP     | 220pF          | 2.00%     |            |
| C423              | 1-164-156-11                 | CERAMIC CHIP     | 0.1µF                   |              | 25V   | C501    | 1-162-974-11 | CERAMIC CHIP     | 0.01µF         | 0.000/    | 50V        |
| C426              | 1-164-156-11                 | CERAMIC CHIP     | 0.1µF                   |              | 25V   | C502    | 1-164-816-11 | CERAMIC CHIP     | 220pF          | 2.00%     | 50V        |
| C427              | 1-125-891-11                 | CERAMIC CHIP     | 0.47µF                  | 10%          | 10V   | C503    | 1-164-816-11 | CERAMIC CHIP     | 220pF          | 2.00%     | 50V        |
| C431              | 1-107-826-11                 | CERAMIC CHIP     | 0.1µF                   | 10%          | 16V   | C504    | 1-115-416-11 | CERAMIC CHIP     | 0.001µF        | 5%        | 25V        |
| C435              | 1-126-933-11                 | ELECT            | 100µF                   | 20%          | 16V   | C505    | 1-162-964-11 | CERAMIC CHIP     | 0.001µF        | 10%       | 50V        |
| C438              | 1-126-933-11                 | ELECT            | 100µF                   | 20%          | 16V   | C506    | 1-164-816-11 | CERAMIC CHIP     | 220pF          | 2.00%     | 50V        |
| C439              | 1-164-156-11                 | CERAMIC CHIP     | 0.1µF                   |              | 25V   | C507    | 1-162-966-11 | CERAMIC CHIP     | 0.0022µF       | 10%       | 50V        |
| C440              | 1-164-156-11                 | CERAMIC CHIP     | 0.1µF                   |              | 25V   | C701    | 1-164-156-11 | CERAMIC CHIP     | 0.1µF          |           | 25V        |
| C442              | 1-135-834-91                 | CERAMIC CHIP     | 2.2E+06p                | F            | 6.3V  | C702    | 1-126-964-11 | ELECT            | 10μF           | 20%       | 50V        |
| C443              | 1-126-933-11                 | ELECT            | 100µF                   | 20%          | 16V   | C703    | 1-164-156-11 | CERAMIC CHIP     | 0.1µF          |           | 25V        |
| C444              | 1-110-563-11                 | CERAMIC CHIP     | 0.068µF                 | 10%          | 16V   | C704    | 1-126-947-11 | ELECT            | 47µF           | 20%       | 35V        |
| C449              | 1-125-837-91                 | CERAMIC CHIP     | 1µF                     | 10%          | 6.3V  | C705    | 1-164-156-11 | CERAMIC CHIP     | 0.1µF          |           | 25V        |
| C455              | 1-130-495-00                 | MYLAR            | 0.1µF                   | 5%           | 50V   | C706    | 1-164-156-11 | CERAMIC CHIP     | 0.1µF          |           | 25V        |
| C455<br>C457      | 1-130-495-00                 | CERAMIC CHIP     | 0.1μF<br>0.1μF          | 10%          | 16V   | C700    | 1-164-156-11 | CERAMIC CHIP     | 0.1μF<br>0.1μF |           | 25V<br>25V |
| C458              |                              | FILM             | 0.1μF                   | 2.00%        |       | C707    | 1-104-130-11 | ELECT            | -              | 200/      | 25V        |
| C456<br>C460      | 1-136-244-11<br>1-107-826-11 | CERAMIC CHIP     | υ. ιμ <b>r</b><br>0.1μF | 2.00%<br>10% | 16V   | C708    | 1-104-005-11 | CERAMIC CHIP     | 100μF<br>27pF  | 20%<br>5% | 50V        |
| C460              | 1-107-826-11                 | CERAMIC CHIP     | 0.1μF                   | 10%          | 16V   | C710    | 1-162-920-11 | CERAMIC CHIP     | 27pF           | 5%        | 50V        |
| O <del>1</del> 01 | 1-101-020-11                 | OLIVAIVIIO OLIIF | υ. ιμΓ                  | 10 /0        | 10 V  | 0710    | 1-102-313-11 | OLIVAIVIIO OHIIF | ZZPI           | J /0      | JU V       |
| C463              | 1-107-826-11                 | CERAMIC CHIP     | 0.1µF                   | 10%          | 16V   | C713    | 1-162-917-11 | CERAMIC CHIP     | 15pF           | 5%        | 50V        |
| C464              | 1-107-826-11                 | CERAMIC CHIP     | 0.1µF                   | 10%          | 16V   | C714    | 1-162-917-11 | CERAMIC CHIP     | 15pF           | 5%        | 50V        |
| C466              | 1-162-923-11                 | CERAMIC CHIP     | 47pF                    | 5%           | 50V   | C719    | 1-162-964-11 | CERAMIC CHIP     | 0.001µF        | 10%       | 50V        |
| C467              | 1-107-826-11                 | CERAMIC CHIP     | 0.1µF                   | 10%          | 16V   | C722    | 1-107-826-11 | CERAMIC CHIP     | 0.1µF          | 10%       | 16V        |



| REF.NO.      | PART NO.     | DESCRIPTION    | VALUES           | 8      |            |   | REF.NO.    | PART NO.                     | DESCRIPTION        | VALUI         | ES    |            |
|--------------|--------------|----------------|------------------|--------|------------|---|------------|------------------------------|--------------------|---------------|-------|------------|
| C728         | 1-126-933-11 | ELECT          | 100µF            | 20%    | 16V        |   | C798       | 1-165-908-11                 | CERAMIC CHIP       | 1µF           | 10%   | 10V        |
| C730         | 1-162-915-11 | CERAMIC CHIP   | 10pF             | 0.50pF |            |   | C799       | 1-164-156-11                 | CERAMIC CHIP       | 0.1µF         |       | 25V        |
| C731         | 1-162-927-11 | CERAMIC CHIP   | 100pF            | 5%     | 50V        |   | C800       | 1-162-970-11                 | CERAMIC CHIP       | 0.01µF        | 10%   | 25V        |
| C732         | 1-162-927-11 | CERAMIC CHIP   | 100pF            | 5%     | 50V        |   | C801       | 1-107-826-11                 | CERAMIC CHIP       | 0.1μF         | 10%   | 16V        |
| C733         | 1-115-416-11 | CERAMIC CHIP   | 0.001µF          | 5%     | 25V        |   | C802       | 1-126-935-11                 | ELECT              | 470μF         | 20%   | 16V        |
| 0700         | 1 110 410 11 | OLIVIMIO OIIII | 0.00 τμι         | 070    | 201        |   | 0002       | 1 120 000 11                 | LLLOT              | τι ομι        | 2070  | 101        |
| C739         | 1-126-963-11 | ELECT          | 4.7µF            | 20%    | 50V        |   | C803       | 1-126-933-11                 | ELECT              | 100µF         | 20%   | 16V        |
| C740         | 1-126-963-11 | ELECT          | 4.7µF            | 20%    | 50V        |   | C804       | 1-165-908-11                 | CERAMIC CHIP       | 1μF           | 10%   | 10V        |
| C741         | 1-126-963-11 | ELECT          | 4.7µF            | 20%    | 50V        |   | C805       | 1-165-908-11                 | CERAMIC CHIP       | 1μF           | 10%   | 10V        |
| C744         | 1-126-935-11 | ELECT          | 470µF            | 20%    | 16V        |   | C806       | 1-165-908-11                 | CERAMIC CHIP       | 1μF           | 10%   | 10V        |
| C745         | 1-164-156-11 | CERAMIC CHIP   | 0.1µF            |        | 25V        |   | C807       | 1-126-933-11                 | ELECT              | 100µF         | 20%   | 16V        |
| C746         | 1-126-947-11 | ELECT          | 47µF             | 20%    | 35V        |   | C808       | 1-165-908-11                 | CERAMIC CHIP       | 1µF           | 10%   | 10V        |
| C747         | 1-126-947-11 | ELECT          | 47μF             | 20%    | 35V        |   | C809       | 1-164-156-11                 | CERAMIC CHIP       | 0.1μF         | 10 /0 | 25V        |
| C749         | 1-126-947-11 | ELECT          | 47μF             | 20%    | 35V        |   | C810       | 1-126-947-11                 | ELECT              | 47μF          | 20%   | 35V        |
| C749<br>C751 | 1-126-947-11 | ELECT          | 47μΓ<br>2200μF   | 20%    | 25V        |   | C811       | 1-120-947-11                 | CERAMIC CHIP       | 47μΓ<br>0.1μF | 10%   | 16V        |
| C751         | 1-126-943-11 | ELECT          | 2200μF<br>2200μF | 20%    | 25V<br>25V |   | COTT       | 1-107-020-11                 | CERAIVIIC CHIP     | υ. ιμΓ        | 1070  | 100        |
| 0.02         | 0 0.0        |                | v.               |        |            |   |            | CONNECTOR                    |                    |               |       |            |
| C755         | 1-126-947-11 | ELECT          | 47µF             | 20%    | 35V        | * | CN1        | 1 770 000 11                 | CONNECTOR ROADS    | TO DO ADI     | ,     | 10P        |
| C757         | 1-130-495-00 | MYLAR          | 0.1µF            | 5%     | 50V        | * | CN1<br>CN2 | 1-779-892-11<br>1-779-892-11 | CONNECTOR, BOARD   |               |       | 10P<br>10P |
| C758         | 1-126-947-11 | ELECT          | 47µF             | 20%    | 35V        | * |            |                              | CONNECTOR, BOARD   |               |       |            |
| C761         | 1-136-169-00 | FILM           | 0.22µF           | 5%     | 50V        | * | CN3        | 1-779-892-11                 | CONNECTOR, BOARD   | TO BOARL      | J     | 10P        |
| C762         | 1-104-665-11 | ELECT          | 100μF            | 20%    | 25V        | " | CN4        | 1-564-510-11                 | PLUG, CONNECTOR    | TO DO A DE    | ,     | 7P         |
|              |              |                |                  |        |            |   | CN5        | 1-573-979-22                 | CONNECTOR, BOARD   | TO BOARL      | )     | 11P        |
| C763         | 1-136-153-00 | FILM           | 0.01µF           | 5%     | 50V        | * | CN6        | 1-793-922-11                 | CONNECTOR, DIN (RE | CEPTACI E     | =)    | 64P        |
| C764         | 1-130-495-00 | MYLAR          | 0.1µF            | 5%     | 50V        | * | CN7        | 1-564-508-11                 | PLUG, CONNECTOR    | OLI INOLE     | -/    | 5P         |
| C765         | 1-136-153-00 | FILM           | 0.01µF           | 5%     | 50V        |   | CN8        | 1-695-915-11                 | TAB (CONTACT)      |               |       | OI .       |
| C767         | 1-136-287-11 | FILM           | 0.0047µF         |        | 100V       | * | CN9        | 1-564-509-11                 | PLUG, CONNECTOR    |               |       | 6P         |
| C771         | 1-130-495-00 | MYLAR          | 0.1µF            | 5%     | 50V        | * | CN10       | 1-564-511-11                 | PLUG, CONNECTOR    |               |       | 8P         |
| C772         | 1-130-495-00 | MYLAR          | 0.1µF            | 5%     | 50V        |   |            |                              |                    |               |       |            |
| C773         | 1-164-227-11 | CERAMIC CHIP   | 0.022µF          | 10%    | 25V        |   | CN11       | 1-573-298-21                 | CONNECTOR, BOARD   |               |       | 20P        |
| C774         | 1-136-287-11 | FILM           | 0.0047µF         |        | 100V       |   | CN12       | 1-573-298-21                 | CONNECTOR, BOARD   |               |       | 20P        |
| C775         | 1-136-169-00 | FILM           | 0.22µF           | 5%     | 50V        | * | CN13       | 1-793-922-11                 | CONNECTOR, DIN (RE |               | ,     | 64P        |
| C776         | 1-136-287-11 | FILM           | 0.0047µF         |        | 100V       | * | CN14       | 1-779-892-11                 | CONNECTOR, BOARD   | TO BOARI      | )     | 10P        |
| 00           |              |                | ٠.٠٠٠ هـ.        | 0,10   |            |   | CN15       | 1-695-915-11                 | TAB (CONTACT)      |               |       |            |
| C780         | 1-104-665-11 | ELECT          | 100μF            | 20%    | 25V        | * | CN16       | 1-564-506-11                 | PLUG, CONNECTOR    |               |       | 3P         |
| C784         | 1-137-367-11 | MYLAR          | 0.0033µF         |        | 50V        | * | CN17       | 1-564-508-11                 | PLUG, CONNECTOR    |               |       | 5P         |
| C785         | 1-137-367-11 | MYLAR          | 0.0033µF         |        | 50V        | * | CN18       | 1-564-508-11                 | PLUG, CONNECTOR    |               |       | 5P         |
| C786         | 1-136-159-00 | FILM           | 0.033µF          | 5%     | 50V        | * | CN19       | 1-564-508-11                 | PLUG, CONNECTOR    |               |       | 5P         |
| C787         | 1-136-159-00 | FILM           | 0.033µF          | 5%     | 50V        |   | CN21       | 1-695-915-11                 | TAB (CONTACT)      |               |       | OI .       |
| C788         | 1-137-365-11 | MYLAR          | 0.0015µF         | 5%     | 50V        |   |            |                              | ,                  |               |       |            |
| C790         | 1-137-365-11 | MYLAR          | 0.0015µF         |        | 50V        |   | CN22       | 1-695-915-11                 | TAB (CONTACT)      |               |       |            |
| C791         | 1-136-169-00 | FILM           | 0.22µF           | 5%     | 50V        | * | CN23       | 1-564-507-11                 | PLUG, CONNECTOR    |               |       | 4P         |
| C792         | 1-136-169-00 | FILM           | 0.22µF           | 5%     | 50V        | * | CN24       | 1-564-510-11                 | PLUG, CONNECTOR    |               |       | 7P         |
| C793         | 1-128-934-91 | CERAMIC CHIP   | 0.33µF           | 20%    | 10V        | * | CN701      | 1-564-507-11                 | PLUG, CONNECTOR    |               |       | 4P         |
| -:- <b>*</b> | • .          |                | <b>I</b>         | •      | - 1        | * | CN702      | 1-564-509-11                 | PLUG, CONNECTOR    |               |       | 6P         |
| C794         | 1-165-908-11 | CERAMIC CHIP   | 1µF              | 10%    | 10V        | * | CN703      | 1-564-509-11                 | PLUG, CONNECTOR    |               |       | 6P         |
| C795         | 1-165-908-11 | CERAMIC CHIP   | 1μF              | 10%    | 10V        | * | CN703      | 1-564-509-11                 | PLUG, CONNECTOR    |               |       | 6P         |
| C796         | 1-165-908-11 | CERAMIC CHIP   | 1μF              | 10%    | 10V        | * | CN705      | 1-564-507-11                 | PLUG, CONNECTOR    |               |       | 4P         |
| C797         | 1-165-908-11 | CERAMIC CHIP   | 1µF              | 10%    | 10V        | * | CN706      | 1-564-507-11                 | PLUG, CONNECTOR    |               |       | 4P         |
|              |              |                |                  |        |            |   | 011100     | 1 007 001-11                 | . LOO, CONNECTOR   |               |       | 71         |



| REF.NO.      | PART NO.      | DESCRIPTION | VALUES        | REF.NO. | PART NO.      | DESCRIPTION       | VALUES         |
|--------------|---------------|-------------|---------------|---------|---------------|-------------------|----------------|
|              | DIODE         |             |               |         | <u>FILTER</u> |                   |                |
| D1           | 8-719-404-50  | DIODE       | MA111-TX      | FL4     | 1-239-848-21  | FILTER, LOW PASS  |                |
| D5           | 8-719-083-87  | DIODE       | UDZS-TE17-33B | FL5     | 1-239-848-21  | FILTER, LOW PASS  |                |
| D7           | 8-719-069-55  | DIODE       | UDZSTE-175.6B | FL6     | 1-239-848-21  | FILTER, LOW PASS  |                |
| D307         | 8-719-978-33  | DIODE       | DTZ-TT11-6.8B | FL7     | 1-239-848-21  | FILTER, LOW PASS  |                |
| D312         | 8-719-069-55  | DIODE       | UDZSTE-175.6B | 1 1 1   | 1-200-0-21    | TILILIN, LOW TAGO |                |
| D312         | 0-7 19-009-33 | DIODE       | UDZ31E-173.0B |         | <u>IC</u>     |                   |                |
| D317         | 8-719-404-50  | DIODE       | MA111-TX      |         | <u>10</u>     |                   |                |
| D318         | 8-719-404-50  | DIODE       | MA111-TX      | IC1     | 8-759-647-10  | IC                | UPC2933HF      |
| D319         | 8-719-404-50  | DIODE       | MA111-TX      | IC2     | 8-759-653-07  | IC                | PQ09RD21       |
|              |               | DIODE       |               | IC3     | 8-759-830-08  | IC                | NJM2068V-TE2   |
| D321         | 8-719-404-50  |             | MA111-TX      | IC4     | 8-759-569-92  | IC                | NJM2370U09-TE2 |
| D701         | 8-719-404-50  | DIODE       | MA111-TX      | IC5     | 8-759-100-96  | IC                | UPC4558G2      |
| D702         | 8-719-404-50  | DIODE       | MA111-TX      |         |               |                   |                |
| D702         | 8-719-083-57  | DIODE       | UDZSTE-173.6B | IC6     | 6-700-960-01  | IC                | UPD64083GF-3BA |
| D703         | 8-719-082-05  | DIODE       | M1MA142WKT1   | IC7     | 8-759-100-96  | IC                | UPC4558G2      |
|              |               | DIODE       |               | IC8     | 8-759-647-10  | IC                | UPC2933HF      |
| D705         | 8-719-083-87  |             | UDZS-TE17-33B | IC9     | 8-759-701-79  | IC                | NJM7812FA      |
| D706         | 8-719-083-87  | DIODE       | UDZS-TE17-33B | IC10    | 8-759-100-96  | IC                | UPC4558G2      |
| D708         | 8-719-404-50  | DIODE       | MA111-TX      |         |               |                   |                |
| D700         | 8-719-404-50  | DIODE       | MA111-TX      | IC11    | 8-759-100-96  | IC                | UPC4558G2      |
|              |               |             |               | IC12    | 6-700-898-01  | IC                | PQ05RD21       |
| D710         | 8-719-082-05  | DIODE       | M1MA142WKT1   | IC13    | 8-759-647-11  | IC                | UPC2905HF      |
| D711         | 8-719-082-05  | DIODE       | M1MA142WKT1   | IC14    | 6-700-399-01  | IC                | UPC2925T-E1    |
| D712         | 8-719-082-05  | DIODE       | M1MA142WKT1   | IC301   | 8-752-102-21  | IC                | CXA2103AQ      |
| D713         | 8-719-082-05  | DIODE       | M1MA142WKT1   |         |               |                   |                |
| D713         | 8-719-404-50  | DIODE       | MA111-TX      | IC302   | 8-752-916-40  | IC                | CXP85840A-039Q |
| D714<br>D715 | 8-719-404-50  | DIODE       | MA111-TX      | IC303   | 8-752-102-21  | IC                | CXA2103AQ      |
|              |               |             |               | IC304   | 8-752-916-40  | IC                | CXP85840A-039Q |
| D716         | 8-719-404-50  | DIODE       | MA111-TX      | IC305   | 8-759-595-97  | IC                | SN74LV4053ANSR |
| D718         | 8-719-404-50  | DIODE       | MA111-TX      | IC306   | 8-752-103-44  | IC                | CXA2171Q       |
| D719         | 8-719-404-50  | DIODE       | MA111-TX      |         |               |                   |                |
| D720         | 8-719-920-67  | DIODE       | ERC91-02      | IC307   | 8-759-595-97  | IC                | SN74LV4053ANSR |
| D720         | 8-719-920-67  | DIODE       | ERC91-02      | IC309   | 8-752-100-25  | IC                | CXA2150AQ      |
| D721         | 8-719-083-85  | DIODE       | UDZS-TE17-22B | IC310   | 8-759-349-11  | IC                | PST9145NL      |
|              |               |             |               | IC311   | 8-759-700-07  | IC                | NJM2903M       |
| D724         | 8-719-083-85  | DIODE       | UDZS-TE17-22B | IC312   | 8-759-082-58  | IC                | TC7W08FU       |
| D725         | 8-719-083-85  | DIODE       | UDZS-TE17-22B |         |               |                   |                |
| D726         | 8-719-083-85  | DIODE       | UDZS-TE17-22B | IC701   | 8-759-349-11  | IC                | PST9145NL      |
| D729         | 8-719-404-50  | DIODE       | MA111-TX      | IC702   | 6-700-149-01  | IC                | M24C04-MN6T(A) |
| 5120         | 3 7 10 10 10  | DIODE       | W (111 17)    | IC703   | 8-759-575-72  | IC                | M24C08-WMN6T   |
|              | FERRITE BEAD  |             |               | IC704   | 6-803-474-01  | IC                | M306V2ME-212FP |
|              | TERRITE BEAD  |             |               | IC707   | 8-759-100-96  | IC                | UPC4558G2      |
| FB2          | 1-414-445-11  | FERRITE     | 0μΗ           |         |               |                   |                |
| FB3          | 1-414-445-11  | FERRITE     | 0μΗ           | IC708   | 8-759-190-89  | IC                | TDA7265        |
| FB4          | 1-414-445-11  | FERRITE     | 0μΗ           | IC711   | 6-704-236-01  | IC                | NJW1148        |
| FB5          | 1-216-295-91  | SHORT CHIP  |               | 1       |               |                   |                |
| FB6          | 1-414-445-11  | FERRITE     | 0μΗ           |         | CHIP CONDUCT  | <u>'OR</u>        |                |
|              |               |             |               | IDO     | 4 040 004 44  | CHODT CHID        |                |
|              |               |             |               | JR2     | 1-216-864-11  | SHORT CHIP        |                |



| REF.NO.      | PART NO.     | DESCRIPTION | VALUE       | is  | REF.NO.    | PART NO.     | DESCRIPTION | VALUES                 |
|--------------|--------------|-------------|-------------|-----|------------|--------------|-------------|------------------------|
|              | COIL         |             |             |     |            | TRANSISTOR   |             |                        |
| L1           | 1-412-948-11 | INDUCTOR    | 5.6µH       |     | Q1         | 8-729-424-02 | TRANSISTOR  | 2SB709A-QRS-TX         |
| L2           | 1-469-555-21 | INDUCTOR    | 10µH        |     | Q2         | 8-729-424-02 | TRANSISTOR  | 2SB709A-QRS-TX         |
| L3           | 1-469-555-21 | INDUCTOR    | 10μΗ        |     | Q3         | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L4           | 1-469-555-21 | INDUCTOR    | 10μΗ        |     | Q4         | 8-729-424-02 | TRANSISTOR  | 2SB709A-QRS-TX         |
| L5           | 1-469-555-21 | INDUCTOR    | 10μΗ        |     | Q5         | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L6           | 1-469-555-21 | INDUCTOR    | 10µH        |     | Q6         | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L7           | 1-414-856-11 | INDUCTOR    | 10μH        |     | Q7         | 8-729-424-02 | TRANSISTOR  | 2SB709A-QRS-TX         |
| L8           | 1-414-856-11 | INDUCTOR    | 10μH        |     | Q8         | 8-729-424-02 | TRANSISTOR  | 2SB709A-QRS-TX         |
| L9           | 1-414-856-11 | INDUCTOR    | 10μH        |     | Q11        | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L10          | 1-412-537-31 | INDUCTOR    | 100μH       |     | Q12        | 8-729-424-02 | TRANSISTOR  | 2SB709A-QRS-TX         |
|              |              |             |             |     |            |              |             |                        |
| L11          | 1-414-856-11 | INDUCTOR    | 10µH        |     | Q13        | 8-729-424-02 | TRANSISTOR  | 2SB709A-QRS-TX         |
| L12          | 1-414-856-11 | INDUCTOR    | 10µH        |     | Q14        | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L13          | 1-414-856-11 | INDUCTOR    | 10µH        |     | Q15        | 8-729-424-02 | TRANSISTOR  | 2SB709A-QRS-TX         |
| L301         | 1-469-555-21 | INDUCTOR    | 10µH        |     | Q16        | 8-729-424-02 | TRANSISTOR  | 2SB709A-QRS-TX         |
| L302         | 1-469-555-21 | INDUCTOR    | 10µH        |     | Q17        | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L303         | 1-469-555-21 | INDUCTOR    | 10µH        |     | Q18        | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L304         | 1-469-555-21 | INDUCTOR    | 10μΗ        |     | Q19        | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L305         | 1-469-555-21 | INDUCTOR    | 10μΗ        |     | Q20        | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L306         | 1-414-193-41 | INDUCTOR    | 220µH       |     | Q21        | 8-729-424-02 | TRANSISTOR  | 2SB709A-QRS-TX         |
| L307         | 1-469-555-21 | INDUCTOR    | 10µH        |     | Q22        | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L308         | 1-414-856-11 | INDUCTOR    | 10µH        |     | Q23        | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L309         | 1-469-555-21 | INDUCTOR    | 10μH        |     | Q23<br>Q24 | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q<br>2SD601A-Q |
| L309<br>L310 | 1-469-555-21 | INDUCTOR    | -           |     | Q24<br>Q25 | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q<br>2SD601A-Q |
|              |              |             | 10μH        |     |            |              |             |                        |
| L311         | 1-469-555-21 | INDUCTOR    | 10μH        |     | Q26        | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L312         | 1-469-555-21 | INDUCTOR    | 10µH        |     | Q27        | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L313         | 1-414-856-11 | INDUCTOR    | 10µH        |     | Q28        | 8-729-424-02 | TRANSISTOR  | 2SB709A-QRS-TX         |
| L315         | 1-469-555-21 | INDUCTOR    | 10µH        |     | Q30        | 1-801-806-11 | TRANSISTOR  | DTC144EKA              |
| L316         | 1-414-856-11 | INDUCTOR    | 10µH        |     | Q301       | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L317         | 1-414-856-11 | INDUCTOR    | 10µH        |     | Q304       | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L318         | 1-469-555-21 | INDUCTOR    | 10μH        |     | Q306       | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L321         | 1-414-856-11 | INDUCTOR    | 10µH        |     | Q307       | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| L701         | 1-414-179-21 | INDUCTOR    | 2.2µH       |     | Q308       | 8-729-424-02 | TRANSISTOR  | 2SB709A-QRS-TX         |
| L702         | 1-412-911-11 | FERRITE     | 0μΗ         |     | Q309       | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
|              |              |             | •           |     | Q310       | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
|              | IC LINK      |             |             |     | Q311       | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| Ĺ PS1        | 1-532-679-00 | IC LINK     | 0.6A        | 50V | 0242       | 0 700 404 00 | TDANGICTOD  | 200700A OD0 TV         |
| Î PS2        | 1-532-685-00 | IC LINK     | 0.8A        | 50V | Q312       | 8-729-424-02 | TRANSISTOR  | 2SB709A-QRS-TX         |
| Ĺ PS3        | 1-532-679-00 | IC LINK     | 0.6A        | 50V | Q313       | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| Ŷ PS701      | 1-576-336-21 | IC LINK     | 2A          | 50V | Q314       | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
| <u> </u>     | 1-576-336-21 | IC LINK     | 2A          | 50V | Q315       | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
|              |              |             | <del></del> |     | Q316       | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
|              |              |             |             |     | Q317       | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q              |
|              |              |             |             |     | Q318       | 8-729-422-27 | TRANSISTOR  |                        |



| REF.NO. | PART NO.        | DESCRIPTION              | VALUES                      | REF.NO.      | PART NO.     | DESCRIPTION | VALU               | ES       |        |
|---------|-----------------|--------------------------|-----------------------------|--------------|--------------|-------------|--------------------|----------|--------|
| Q319    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q367         | 8-729-122-63 | TRANSISTOR  | 2SA1226            | 6-E4     |        |
| Q320    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q368         | 8-729-422-27 | TRANSISTOR  | 2SD601/            | A-Q      |        |
| Q321    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q369         | 1-801-806-11 | TRANSISTOR  | DTC144             | EKA      |        |
| Q322    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q373         | 8-729-422-27 | TRANSISTOR  | 2SD601/            |          |        |
| Q323    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q374         | 8-729-422-27 | TRANSISTOR  | 2SD601/            | A-Q      |        |
|         |                 |                          |                             |              |              |             |                    |          |        |
| Q324    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q378         | 8-729-422-27 | TRANSISTOR  | 2SD601/            | A-Q      |        |
| Q325    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | Q379         | 8-729-424-02 | TRANSISTOR  | 2SB709/            | A-QRS-T  | Χ      |
| Q326    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | Q380         | 8-729-422-27 | TRANSISTOR  | 2SD601/            | A-Q      |        |
| Q327    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | Q381         | 8-729-422-27 | TRANSISTOR  | 2SD601/            | A-Q      |        |
| Q328    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | Q501         | 8-729-026-49 | TRANSISTOR  | 2SA1037            | 'AK-T146 | S-R    |
| Q329    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | Q502         | 1-801-806-11 | TRANSISTOR  | DTC144             | FKA      |        |
| Q330    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | Q701         | 8-729-422-27 | TRANSISTOR  | 2SD601/            |          |        |
| Q331    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | Q702         | 8-729-424-02 | TRANSISTOR  | 2SB709/            |          | Χ      |
| Q332    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | Q703         | 8-729-422-27 | TRANSISTOR  | 2SD601/            |          |        |
| Q333    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | Q704         | 8-729-424-02 | TRANSISTOR  | 2SB709/            |          | Χ      |
|         |                 |                          |                             |              |              |             |                    |          |        |
| Q334    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | Q705         | 8-729-422-27 | TRANSISTOR  | 2SD601/            |          |        |
| Q335    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q706         | 8-729-424-02 | TRANSISTOR  | 2SB709/            |          | X      |
| Q336    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q707         | 1-801-806-11 | TRANSISTOR  | DTC144             | EKA      |        |
| Q337    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q708         | 8-729-422-27 | TRANSISTOR  | 2SD601/            |          |        |
| Q338    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q709         | 8-729-422-27 | TRANSISTOR  | 2SD601/            | A-Q      |        |
| Q339    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q710         | 8-729-422-27 | TRANSISTOR  | 2SD601/            | A-Q      |        |
| Q340    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q712         | 8-729-424-02 | TRANSISTOR  | 2SB709/            | A-QRS-T  | Χ      |
| Q342    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q713         | 8-729-424-02 | TRANSISTOR  | 2SB709/            | A-QRS-T  | Χ      |
| Q343    | 8-729-122-63    | TRANSISTOR               | 2SA1226-E4                  | Q714         | 8-729-027-38 | TRANSISTOR  | DTA144E            | EKA-T14  | 6      |
| Q344    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | Q715         | 8-729-422-27 | TRANSISTOR  | 2SD601/            | A-Q      |        |
| 0045    | 0.700.404.00    | TRANSIOTOR               | 000700A 0D0 TV              | 0740         | 0.700.400.07 | TRANSISTOR  | 000004             |          |        |
| Q345    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | Q716         | 8-729-422-27 | TRANSISTOR  | 2SD601/            |          |        |
| Q346    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q717         | 8-729-422-27 | TRANSISTOR  | 2SD601/            |          |        |
| Q347    | 8-729-122-63    | TRANSISTOR               | 2SA1226-E4                  | Q718         | 8-729-422-27 | TRANSISTOR  | 2SD601/            |          | v      |
| Q348    | 8-729-424-02    | TRANSISTOR<br>TRANSISTOR | 2SB709A-QRS-TX<br>2SD601A-Q | Q719<br>Q721 | 8-729-424-02 | TRANSISTOR  | 2SB709/<br>2SB709/ |          |        |
| Q349    | 8-729-422-27    | TRANSISTOR               | 23D001A-Q                   | Q/ZI         | 8-729-424-02 | TRANSISTOR  | 2301091            | 4-QN3-1. | ^      |
| Q350    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q722         | 8-729-422-27 | TRANSISTOR  | 2SD601/            | A-Q      |        |
| Q351    | 8-729-122-63    | TRANSISTOR               | 2SA1226-E4                  | Q723         | 8-729-422-27 | TRANSISTOR  | 2SD601/            | A-Q      |        |
| Q352    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | Q725         | 8-729-424-02 | TRANSISTOR  | 2SB709/            | A-QRS-T  | X      |
| Q353    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              |              |              |             |                    |          |        |
| Q354    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              |              | RESISTOR     |             |                    |          |        |
| Q355    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | R1           | 1-216-464-11 | METAL OXIDE | 18K                | 5%       | 2W     |
| Q356    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | R2           | 1-216-813-11 | METAL CHIP  | 220                | 5%       | 1/10W  |
| Q357    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | R3           | 1-216-813-11 | METAL CHIP  | 220                | 5%       | 1/10W  |
| Q358    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | R4           | 1-216-813-11 | METAL CHIP  | 220                | 5%       | 1/10W  |
| Q359    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | R5           | 1-216-813-11 | METAL CHIP  | 220                | 5%       | 1/10W  |
| Q000    | 0 1 E 0 1 E E I |                          | 20500 ( 0                   | Do.          | 4 040 040 44 | METAL CLUB  | 000                | E0/      | 4/4014 |
| Q360    | 8-729-424-02    | TRANSISTOR               | 2SB709A-QRS-TX              | R6           | 1-216-813-11 | METAL CHIP  | 220                | 5%       | 1/10W  |
| Q361    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | R7           | 1-216-833-11 | METAL CHIP  | 10K                | 5%       | 1/10W  |
| Q362    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | R8           | 1-216-813-11 | METAL CHIP  | 220                | 5%       | 1/10W  |
| Q363    | 8-729-422-27    | TRANSISTOR               | 2SD601A-Q                   | R9           | 1-216-813-11 | METAL CHIP  | 220                | 5%       | 1/10W  |



| REF.NO. | PART NO.               | DESCRIPTION  | VALU  | ES     |         | REF.NO. | PART NO.                  | DESCRIPTION  | VALU | IES    |          |
|---------|------------------------|--------------|-------|--------|---------|---------|---------------------------|--------------|------|--------|----------|
| R10     | 1-216-829-11           | METAL CHIP   | 4.7K  | 5%     | 1/10W   | R70     | 1-216-845-11              | METAL CHIP   | 100K | 5%     | 1/10W    |
| R11     | 1-218-720-11           | METAL CHIP   | 15K   |        | 1/10W   | R71     | 1-216-813-11              | METAL CHIP   | 220  | 5%     | 1/10W    |
| R12     | 1-218-722-11           | METAL CHIP   | 18K   |        | 1/10W   | R72     | 1-216-821-11              | METAL CHIP   | 1K   | 5%     | 1/10W    |
| R13     | 1-218-740-11           | METAL CHIP   | 100K  |        | 1/10W   | R73     | 1-218-686-11              | METAL CHIP   | 560  |        | 1/10W    |
| R14     | 1-216-845-11           | METAL CHIP   | 100K  | 5%     | 1/10W   | R74     | 1-218-684-11              | METAL CHIP   | 470  |        | 1/10W    |
| 1117    | 1-210-040-11           | WIL TAL OTTI | 10010 | J /0   | 171000  | IX/4    | 1-210-00 <del>1</del> -11 | WIL TAL OTTI | 410  | 0.5070 | 171000   |
| R16     | 1-218-702-11           | METAL CHIP   | 2.7K  | 0.50%  | 1/10W   | R75     | 1-216-829-11              | METAL CHIP   | 4.7K | 5%     | 1/10W    |
| R17     | 1-218-706-11           | METAL CHIP   | 3.9K  | 0.50%  | 1/10W   | R76     | 1-216-818-11              | METAL CHIP   | 560  | 5%     | 1/10W    |
| R18     | 1-218-714-11           | METAL CHIP   | 8.2K  | 0.50%  | 1/10W   | R77     | 1-216-821-11              | METAL CHIP   | 1K   | 5%     | 1/10W    |
| R19     | 1-216-816-11           | METAL CHIP   | 390   | 5%     | 1/10W   | R78     | 1-218-680-11              | METAL CHIP   | 330  | 0.50%  | 1/10W    |
| R20     | 1-216-827-11           | METAL CHIP   | 3.3K  | 5%     | 1/10W   | R79     | 1-216-818-11              | METAL CHIP   | 560  | 5%     | 1/10W    |
| R21     | 1 016 000 11           | METAL CLUD   | 33K   | 5%     | 1/10W   | R80     | 1 010 604 11              | METAL CLUD   | 470  | 0.50%  | 1/10\\   |
|         | 1-216-839-11           | METAL CHIP   |       |        |         |         | 1-218-684-11              | METAL CHIP   |      |        |          |
| R22     | 1-216-813-11           | METAL CHIP   | 220   | 5%     | 1/10W   | R81     | 1-216-825-11              | METAL CHIP   | 2.2K | 5%     | 1/10W    |
| R23     | 1-216-864-11           | SHORT CHIP   | 4.017 | 0.500/ | 4/40/4/ | R82     | 1-216-821-11              | METAL CHIP   | 1K   | 5%     | 1/10W    |
| R27     | 1-218-707-11           | METAL CHIP   | 4.3K  |        | 1/10W   | R85     | 1-216-830-11              | METAL CHIP   | 5.6K | 5%     | 1/10W    |
| R30     | 1-216-809-11           | METAL CHIP   | 100   | 5%     | 1/10W   | R87     | 1-216-833-11              | METAL CHIP   | 10K  | 5%     | 1/10W    |
| R31     | 1-216-809-11           | METAL CHIP   | 100   | 5%     | 1/10W   | R88     | 1-216-830-11              | METAL CHIP   | 5.6K | 5%     | 1/10W    |
| R33     | 1-216-809-11           | METAL CHIP   | 100   | 5%     | 1/10W   | R89     | 1-216-813-11              | METAL CHIP   | 220  | 5%     | 1/10W    |
| R37     | 1-216-853-11           | METAL CHIP   | 470K  | 5%     | 1/10W   | R90     | 1-216-864-11              | SHORT CHIP   |      |        |          |
| R39     | 1-216-855-11           | METAL CHIP   | 680K  | 5%     | 1/10W   | R91     | 1-216-864-11              | SHORT CHIP   |      |        |          |
| R42     | 1-216-855-11           | METAL CHIP   | 680K  | 5%     | 1/10W   | R92     | 1-216-830-11              | METAL CHIP   | 5.6K | 5%     | 1/10W    |
|         | . =                    |              |       | -,-    |         |         |                           |              |      |        |          |
| R43     | 1-216-853-11           | METAL CHIP   | 470K  | 5%     | 1/10W   | R93     | 1-216-830-11              | METAL CHIP   | 5.6K | 5%     | 1/10W    |
| R44     | 1-249-377-11           | CARBON       | 0.47  | 5%     | 1/4W    | R95     | 1-216-818-11              | METAL CHIP   | 560  | 5%     | 1/10W    |
| R46     | 1-216-822-11           | METAL CHIP   | 1.2K  | 5%     | 1/10W   | R96     | 1-216-818-11              | METAL CHIP   | 560  | 5%     | 1/10W    |
| R48     | 1-216-809-11           | METAL CHIP   | 100   | 5%     | 1/10W   | R99     | 1-216-825-11              | METAL CHIP   | 2.2K | 5%     | 1/10W    |
| R49     | 1-216-829-11           | METAL CHIP   | 4.7K  | 5%     | 1/10W   | R100    | 1-216-833-11              | METAL CHIP   | 10K  | 5%     | 1/10W    |
| R50     | 1-216-809-11           | METAL CHIP   | 100   | 5%     | 1/10W   | R102    | 1-216-821-11              | METAL CHIP   | 1K   | 5%     | 1/10W    |
| R51     | 1-216-833-11           | METAL CHIP   | 10K   | 5%     | 1/10W   | R103    | 1-216-825-11              | METAL CHIP   | 2.2K | 5%     | 1/10W    |
| R52     | 1-216-833-11           | METAL CHIP   | 10K   | 5%     | 1/10W   | R104    | 1-216-821-11              | METAL CHIP   | 1K   | 5%     | 1/10W    |
| R53     | 1-216-817-11           | METAL CHIP   | 470   | 5%     | 1/10W   | R105    | 1-216-821-11              | METAL CHIP   | 1K   | 5%     | 1/10W    |
| R54     | 1-216-817-11           | METAL CHIP   | 470   | 5%     | 1/10W   | R106    | 1-216-809-11              | METAL CHIP   | 100  | 5%     | 1/10W    |
|         |                        |              |       |        |         |         |                           |              |      |        |          |
| R55     | 1-216-822-11           | METAL CHIP   | 1.2K  | 5%     | 1/10W   | R107    | 1-216-833-11              | METAL CHIP   | 10K  | 5%     | 1/10W    |
| R56     | 1-216-805-11           | METAL CHIP   | 47    | 5%     | 1/10W   | R108    | 1-216-822-11              | METAL CHIP   | 1.2K | 5%     | 1/10W    |
| R57     | 1-216-805-11           | METAL CHIP   | 47    | 5%     | 1/10W   | R109    | 1-216-816-11              | METAL CHIP   | 390  | 5%     | 1/10W    |
| R59     | 1-216-821-11           | METAL CHIP   | 1K    | 5%     | 1/10W   | R110    | 1-216-809-11              | METAL CHIP   | 100  | 5%     | 1/10W    |
| R60     | 1-216-833-11           | METAL CHIP   | 10K   | 5%     | 1/10W   | R111    | 1-216-809-11              | METAL CHIP   | 100  | 5%     | 1/10W    |
| R61     | 1-216-825-11           | METAL CHIP   | 2.2K  | 5%     | 1/10W   | R112    | 1-216-857-11              | METAL CHIP   | 1M   | 5%     | 1/10W    |
| R62     | 1-216-821-11           | METAL CHIP   | 1K    | 5%     | 1/10W   | R113    | 1-216-845-11              | METAL CHIP   | 100K | 5%     | 1/10W    |
| R63     | 1-216-809-11           | METAL CHIP   | 100   | 5%     | 1/10W   | R114    | 1-216-809-11              | METAL CHIP   | 100  | 5%     | 1/10W    |
| R64     | 1-216-837-11           | METAL CHIP   | 22K   | 5%     | 1/10W   | R115    | 1-216-820-11              | METAL CHIP   | 820  | 5%     | 1/10W    |
| R65     | 1-216-833-11           | METAL CHIP   | 10K   | 5%     | 1/10W   | R116    | 1-216-825-11              | METAL CHIP   | 2.2K | 5%     | 1/10W    |
| 1100    | 1-2 10 <b>-</b> 000-11 | NIL TAL OTTE | IUN   | J /0   | 1/ 1044 | 11110   | 1-2 10 <b>-</b> 02J-11    | MIL IAL OHIF | ۷.۷۱ | J /0   | 17 10 11 |
| R66     | 1-216-849-11           | METAL CHIP   | 220K  | 5%     | 1/10W   | R117    | 1-216-821-11              | METAL CHIP   | 1K   | 5%     | 1/10W    |
| R67     | 1-216-841-11           | METAL CHIP   | 47K   | 5%     | 1/10W   | R118    | 1-216-820-11              | METAL CHIP   | 820  | 5%     | 1/10W    |
| R68     | 1-216-839-11           | METAL CHIP   | 33K   | 5%     | 1/10W   | R119    | 1-216-825-11              | METAL CHIP   | 2.2K | 5%     | 1/10W    |
| R69     | 1-216-857-11           | METAL CHIP   | 1M    | 5%     | 1/10W   | R120    | 1-216-834-11              | METAL CHIP   | 12K  | 5%     | 1/10W    |
|         |                        |              |       |        |         |         |                           |              |      |        |          |



| REF.NO. | PART NO.     | DESCRIPTION  | VALU | ES       |         | REF.NO. | PART NO.     | DESCRIPTION    | VALU  | IES    |         |
|---------|--------------|--------------|------|----------|---------|---------|--------------|----------------|-------|--------|---------|
| R121    | 1-216-839-11 | METAL CHIP   | 33K  | 5%       | 1/10W   | R319    | 1-216-864-11 | SHORT CHIP     |       |        |         |
| R122    | 1-216-822-11 | METAL CHIP   | 1.2K | 5%       | 1/10W   | R320    | 1-216-833-11 | METAL CHIP     | 10K   | 5%     | 1/10W   |
| R123    | 1-216-833-11 | METAL CHIP   | 10K  | 5%       | 1/10W   | R321    | 1-216-821-11 | METAL CHIP     | 1K    | 5%     | 1/10W   |
| R124    | 1-216-834-11 | METAL CHIP   | 12K  | 5%       | 1/10W   | R322    | 1-216-809-11 | METAL CHIP     | 100   | 5%     | 1/10W   |
| R125    | 1-216-839-11 | METAL CHIP   | 33K  | 5%       | 1/10W   | R323    | 1-216-809-11 | METAL CHIP     | 100   | 5%     | 1/10W   |
| 11125   | 1-210-000-11 | WIL TAL OTTI | 3310 | J /0     | 1/1044  | 11020   | 1-210-000-11 | IVIL IAL OITII | 100   | J /0   | 171000  |
| R126    | 1-216-825-11 | METAL CHIP   | 2.2K | 5%       | 1/10W   | R324    | 1-216-809-11 | METAL CHIP     | 100   | 5%     | 1/10W   |
| R127    | 1-216-839-11 | METAL CHIP   | 33K  | 5%       | 1/10W   | R325    | 1-216-835-11 | METAL CHIP     | 15K   | 5%     | 1/10W   |
| R128    | 1-216-821-11 | METAL CHIP   | 1K   | 5%       | 1/10W   | R326    | 1-216-864-11 | SHORT CHIP     |       |        |         |
| R129    | 1-216-805-11 | METAL CHIP   | 47   | 5%       | 1/10W   | R327    | 1-216-817-11 | METAL CHIP     | 470   | 5%     | 1/10W   |
| R130    | 1-216-821-11 | METAL CHIP   | 1K   | 5%       | 1/10W   | R329    | 1-216-829-11 | METAL CHIP     | 4.7K  | 5%     | 1/10W   |
|         |              |              |      |          |         |         |              |                |       |        |         |
| R131    | 1-216-837-11 | METAL CHIP   | 22K  | 5%       | 1/10W   | R330    | 1-216-828-11 | METAL CHIP     | 3.9K  | 5%     | 1/10W   |
| R133    | 1-218-686-11 | METAL CHIP   | 560  |          | 1/10W   | R331    | 1-216-833-11 | METAL CHIP     | 10K   | 5%     | 1/10W   |
| R134    | 1-218-683-11 | METAL CHIP   | 430  |          | 1/10W   | R332    | 1-218-700-11 | METAL CHIP     | 2.2K  | 0.50%  |         |
| R135    | 1-216-809-11 | METAL CHIP   | 100  | 5%       | 1/10W   | R333    | 1-216-809-11 | METAL CHIP     | 100   | 5%     | 1/10W   |
| R136    | 1-216-821-11 | METAL CHIP   | 1K   | 5%       | 1/10W   | R334    | 1-216-809-11 | METAL CHIP     | 100   | 5%     | 1/10W   |
| R137    | 1-216-833-11 | METAL CHIP   | 10K  | 5%       | 1/10W   | R335    | 1-216-829-11 | METAL CHIP     | 4.7K  | 5%     | 1/10W   |
| R138    | 1-216-833-11 | METAL CHIP   | 10K  | 5%       | 1/10W   | R336    | 1-216-809-11 | METAL CHIP     | 100   | 5%     | 1/10W   |
| R139    | 1-216-841-11 | METAL CHIP   | 47K  | 5%       | 1/10W   | R337    | 1-216-823-11 | METAL CHIP     | 1.5K  | 5%     | 1/10W   |
| R140    | 1-216-833-11 | METAL CHIP   | 10K  | 5%       | 1/10W   | R338    | 1-216-823-11 | METAL CHIP     | 1.5K  | 5%     | 1/10W   |
| R141    | 1-216-809-11 | METAL CHIP   | 100  | 5%       | 1/10W   | R339    | 1-216-809-11 | METAL CHIP     | 100   | 5%     | 1/10W   |
| K141    | 1-210-009-11 | WE TAL CHIP  | 100  | 370      | 1/1000  | Roos    | 1-210-009-11 | IVIE TAL CHIP  | 100   | 370    | 1/1000  |
| R142    | 1-216-843-11 | METAL CHIP   | 68K  | 5%       | 1/10W   | R340    | 1-216-828-11 | METAL CHIP     | 3.9K  | 5%     | 1/10W   |
| R143    | 1-216-829-11 | METAL CHIP   | 4.7K | 5%       | 1/10W   | R341    | 1-218-706-11 | METAL CHIP     | 3.9K  | 0.50%  | 1/10W   |
| R144    | 1-216-843-11 | METAL CHIP   | 68K  | 5%       | 1/10W   | R342    | 1-216-841-11 | METAL CHIP     | 47K   | 5%     | 1/10W   |
| R145    | 1-216-829-11 | METAL CHIP   | 4.7K | 5%       | 1/10W   | R343    | 1-216-809-11 | METAL CHIP     | 100   | 5%     | 1/10W   |
| R146    | 1-216-845-11 | METAL CHIP   | 100K | 5%       | 1/10W   | R344    | 1-216-809-11 | METAL CHIP     | 100   | 5%     | 1/10W   |
| D447    | 4 040 000 44 | METAL CLUD   | 101/ | E0/      | 4/40\\\ | D245    | 1 010 000 11 | METAL CLUD     | 4.51/ | 0.500/ | 4/40\\  |
| R147    | 1-216-833-11 | METAL CHIP   | 10K  | 5%<br>5% | 1/10W   | R345    | 1-218-696-11 | METAL CHIP     | 1.5K  |        | 1/10W   |
| R148    | 1-216-397-11 | METAL OUID   | 4.7  | 5%       | 3W      | R346    | 1-218-696-11 | METAL CHIP     | 1.5K  |        | 1/10W   |
| R151    | 1-216-833-11 | METAL CHIP   | 10K  | 5%       | 1/10W   | R347    | 1-216-817-11 | METAL CHIP     | 470   | 5%     | 1/10W   |
| R152    | 1-216-833-11 | METAL CHIP   | 10K  | 5%       | 1/10W   | R348    | 1-216-841-11 | METAL CHIP     | 47K   | 5%     | 1/10W   |
| R153    | 1-216-833-11 | METAL CHIP   | 10K  | 5%       | 1/10W   | R349    | 1-216-813-11 | METAL CHIP     | 220   | 5%     | 1/10W   |
| R154    | 1-216-830-11 | METAL CHIP   | 5.6K | 5%       | 1/10W   | R350    | 1-216-809-11 | METAL CHIP     | 100   | 5%     | 1/10W   |
| R155    | 1-216-864-11 | SHORT CHIP   |      |          |         | R351    | 1-216-813-11 | METAL CHIP     | 220   | 5%     | 1/10W   |
| R301    | 1-216-809-11 | METAL CHIP   | 100  | 5%       | 1/10W   | R352    | 1-216-813-11 | METAL CHIP     | 220   | 5%     | 1/10W   |
| R302    | 1-216-805-11 | METAL CHIP   | 47   | 5%       | 1/10W   | R353    | 1-216-809-11 | METAL CHIP     | 100   | 5%     | 1/10W   |
| R303    | 1-216-833-11 | METAL CHIP   | 10K  | 5%       | 1/10W   | R354    | 1-216-829-11 | METAL CHIP     | 4.7K  | 5%     | 1/10W   |
| Doc.    | 4 040 000 44 | METAL COM    | 4614 | =01      | 44404   |         | 1 010 555 11 | METAL 6:::5    | 400   | =0.    | 4440::: |
| R304    | 1-216-833-11 | METAL CHIP   | 10K  | 5%       | 1/10W   | R355    | 1-216-809-11 | METAL CHIP     | 100   | 5%     | 1/10W   |
| R305    | 1-216-835-11 | METAL CHIP   | 15K  | 5%       | 1/10W   | R356    | 1-216-841-11 | METAL CHIP     | 47K   | 5%     | 1/10W   |
| R308    | 1-216-821-11 | METAL CHIP   | 1K   | 5%       | 1/10W   | R357    | 1-216-837-11 | METAL CHIP     | 22K   | 5%     | 1/10W   |
| R309    | 1-216-813-11 | METAL CHIP   | 220  | 5%       | 1/10W   | R358    | 1-216-837-11 | METAL CHIP     | 22K   | 5%     | 1/10W   |
| R310    | 1-216-857-11 | METAL CHIP   | 1M   | 5%       | 1/10W   | R359    | 1-216-837-11 | METAL CHIP     | 22K   | 5%     | 1/10W   |
| R311    | 1-216-840-11 | METAL CHIP   | 39K  | 5%       | 1/10W   | R360    | 1-216-837-11 | METAL CHIP     | 22K   | 5%     | 1/10W   |
| R313    | 1-216-833-11 | METAL CHIP   | 10K  | 5%       | 1/10W   | R361    | 1-216-837-11 | METAL CHIP     | 22K   | 5%     | 1/10W   |
| R314    | 1-216-833-11 | METAL CHIP   | 10K  | 5%       | 1/10W   | R362    | 1-216-837-11 | METAL CHIP     | 22K   | 5%     | 1/10W   |
| R318    | 1-216-833-11 | METAL CHIP   | 10K  | 5%       | 1/10W   | R363    | 1-216-809-11 | METAL CHIP     | 100   | 5%     | 1/10W   |
| 1.010   | 1 210 000-11 | ME IAE OITH  | 1011 | J /0     | 1/1011  | 1       | 1 210 000-11 | INC INC OTH    | 100   | J /0   | 17 1011 |



| REF.NO. | PART NO.                     | DESCRIPTION              | VALU  | ES       |                | REF.NO.           | PART NO.                     | DESCRIPTION              | VALU       | JES      |        |
|---------|------------------------------|--------------------------|-------|----------|----------------|-------------------|------------------------------|--------------------------|------------|----------|--------|
| R364    | 1-216-809-11                 | METAL CHIP               | 100   | 5%       | 1/10W          | R408              | 1-216-821-11                 | METAL CHIP               | 1K         | 5%       | 1/10W  |
| R365    | 1-216-809-11                 | METAL CHIP               | 100   | 5%       | 1/10W          | R409              | 1-216-821-11                 | METAL CHIP               | 1K         | 5%       | 1/10W  |
| R366    | 1-216-841-11                 | METAL CHIP               | 47K   | 5%       | 1/10W          | R410              | 1-218-673-11                 | METAL CHIP               | 160        | 0.50%    |        |
| R367    | 1-216-821-11                 | METAL CHIP               | 1K    | 5%       | 1/10W          | R411              | 1-218-673-11                 | METAL CHIP               | 160        |          | 1/10W  |
| R368    | 1-216-821-11                 | METAL CHIP               | 1K    | 5%       | 1/10W          | R412              | 1-216-813-11                 | METAL CHIP               | 220        | 5%       | 1/10W  |
| N300    | 1-210-021-11                 | WE TAL CITIF             | IIX   | 370      | 17 1000        | N <del>4</del> 12 | 1-210-013-11                 | WIE TAL CHIF             | 220        | J /0     | 1/1000 |
| R369    | 1-216-821-11                 | METAL CHIP               | 1K    | 5%       | 1/10W          | R413              | 1-218-668-11                 | METAL CHIP               | 100        | 0.50%    | 1/10W  |
| R370    | 1-216-825-11                 | METAL CHIP               | 2.2K  | 5%       | 1/10W          | R414              | 1-218-668-11                 | METAL CHIP               | 100        | 0.50%    | 1/10W  |
| R371    | 1-216-825-11                 | METAL CHIP               | 2.2K  | 5%       | 1/10W          | R415              | 1-218-668-11                 | METAL CHIP               | 100        | 0.50%    | 1/10W  |
| R372    | 1-216-825-11                 | METAL CHIP               | 2.2K  | 5%       | 1/10W          | R416              | 1-216-857-11                 | METAL CHIP               | 1M         | 5%       | 1/10W  |
| R373    | 1-216-809-11                 | METAL CHIP               | 100   | 5%       | 1/10W          | R417              | 1-216-809-11                 | METAL CHIP               | 100        | 5%       | 1/10W  |
| R374    | 1-216-815-11                 | METAL CHIP               | 330   | 5%       | 1/10W          | R418              | 1-216-809-11                 | METAL CHIP               | 100        | 5%       | 1/10W  |
| R375    | 1-216-815-11                 | METAL CHIP               | 330   | 5%       | 1/10W          | R419              | 1-218-702-11                 | METAL CHIP               | 2.7K       | 0.50%    |        |
| R376    | 1-216-815-11                 | METAL CHIP               | 330   | 5%       | 1/10W          | R419              | 1-218-698-11                 | METAL CHIP               | 1.8K       |          | 1/10W  |
|         |                              |                          |       | 5%<br>5% | 1/10W          |                   | 1-216-809-11                 |                          |            | 5%       | 1/10W  |
| R377    | 1-216-837-11                 | METAL CHIP               | 22K   |          |                | R421              |                              | METAL CHIP               | 100        |          |        |
| R378    | 1-216-837-11                 | METAL CHIP               | 22K   | 5%       | 1/10W          | R422              | 1-216-809-11                 | METAL CHIP               | 100        | 5%       | 1/10W  |
| R379    | 1-216-837-11                 | METAL CHIP               | 22K   | 5%       | 1/10W          | R423              | 1-216-809-11                 | METAL CHIP               | 100        | 5%       | 1/10W  |
| R380    | 1-216-837-11                 | METAL CHIP               | 22K   | 5%       | 1/10W          | R424              | 1-218-674-11                 | METAL CHIP               | 180        | 0.50%    | 1/10W  |
| R381    | 1-216-837-11                 | METAL CHIP               | 22K   | 5%       | 1/10W          | R425              | 1-218-674-11                 | METAL CHIP               | 180        | 0.50%    | 1/10W  |
| R382    | 1-216-837-11                 | METAL CHIP               | 22K   | 5%       | 1/10W          | R426              | 1-218-674-11                 | METAL CHIP               | 180        | 0.50%    | 1/10W  |
| R383    | 1-216-809-11                 | METAL CHIP               | 100   | 5%       | 1/10W          | R427              | 1-218-673-11                 | METAL CHIP               | 160        | 0.50%    | 1/10W  |
| R384    | 1 216 000 11                 | METAL CLUD               | 100   | 5%       | 1/10\\         | R428              | 1 016 064 11                 | CHODT CHID               |            |          |        |
| R385    | 1-216-809-11<br>1-216-821-11 | METAL CHIP<br>METAL CHIP | 1K    | 5%<br>5% | 1/10W<br>1/10W | R420<br>R429      | 1-216-864-11<br>1-216-850-11 | SHORT CHIP<br>METAL CHIP | 270K       | 5%       | 1/10W  |
|         |                              |                          |       | 5%<br>5% | 1/10W          |                   |                              |                          |            | 5%<br>5% | 1/10W  |
| R386    | 1-216-809-11                 | METAL CHIP               | 100   |          |                | R431              | 1-216-809-11                 | METAL CHIP               | 100        |          |        |
| R387    | 1-216-845-11                 | METAL CHIP               | 100K  | 5%       | 1/10W          | R432              | 1-216-817-11                 | METAL CHIP               | 470        | 5%       | 1/10W  |
| R388    | 1-216-837-11                 | METAL CHIP               | 22K   | 5%       | 1/10W          | R433              | 1-216-817-11                 | METAL CHIP               | 470        | 5%       | 1/10W  |
| R389    | 1-216-809-11                 | METAL CHIP               | 100   | 5%       | 1/10W          | R434              | 1-216-809-11                 | METAL CHIP               | 100        | 5%       | 1/10W  |
| R390    | 1-216-809-11                 | METAL CHIP               | 100   | 5%       | 1/10W          | R435              | 1-216-817-11                 | METAL CHIP               | 470        | 5%       | 1/10W  |
| R391    | 1-216-809-11                 | METAL CHIP               | 100   | 5%       | 1/10W          | R436              | 1-216-809-11                 | METAL CHIP               | 100        | 5%       | 1/10W  |
| R392    | 1-216-809-11                 | METAL CHIP               | 100   | 5%       | 1/10W          | R437              | 1-216-809-11                 | METAL CHIP               | 100        | 5%       | 1/10W  |
| R393    | 1-216-809-11                 | METAL CHIP               | 100   | 5%       | 1/10W          | R438              | 1-216-809-11                 | METAL CHIP               | 100        | 5%       | 1/10W  |
| R394    | 1 216 200 11                 | METAL CLUD               | 100   | 5%       | 1/10W          | R439              | 1 016 017 11                 | METAL CHIP               | 470        | 5%       | 1/10W  |
| R395    | 1-216-809-11<br>1-216-821-11 | METAL CHIP               | 1K    | 5%       | 1/10W          | R439<br>R440      | 1-216-817-11<br>1-216-813-11 | METAL CHIP               |            | 5%       | 1/10W  |
| R396    | 1-216-821-11                 | METAL CHIP<br>METAL CHIP | 1K    | 5%       | 1/10W          | R440<br>R441      | 1-216-813-11                 |                          | 220<br>220 | 5%<br>5% | 1/10W  |
|         |                              |                          |       |          |                |                   |                              | METAL CHIP<br>METAL CHIP |            |          |        |
| R397    | 1-216-821-11                 | METAL CHIP               | 1K    | 5%       | 1/10W          | R442              | 1-216-813-11                 |                          | 220        | 5%       | 1/10W  |
| R398    | 1-216-845-11                 | METAL CHIP               | 100K  | 5%       | 1/10W          | R443              | 1-216-809-11                 | METAL CHIP               | 100        | 5%       | 1/10W  |
| R399    | 1-216-833-11                 | METAL CHIP               | 10K   | 5%       | 1/10W          | R444              | 1-216-809-11                 | METAL CHIP               | 100        | 5%       | 1/10W  |
| R400    | 1-216-845-11                 | METAL CHIP               | 100K  | 5%       | 1/10W          | R445              | 1-216-809-11                 | METAL CHIP               | 100        | 5%       | 1/10W  |
| R401    | 1-216-845-11                 | METAL CHIP               | 100K  | 5%       | 1/10W          | R446              | 1-216-809-11                 | METAL CHIP               | 100        | 5%       | 1/10W  |
| R402    | 1-216-845-11                 | METAL CHIP               | 100K  | 5%       | 1/10W          | R448              | 1-216-809-11                 | METAL CHIP               | 100        | 5%       | 1/10W  |
| R403    | 1-216-845-11                 | METAL CHIP               | 100K  | 5%       | 1/10W          | R449              | 1-216-809-11                 | METAL CHIP               | 100        | 5%       | 1/10W  |
| DAOA    | 1 216 045 44                 | METAL CLUB               | 1001/ | E0/      | 1/10\\\        | DAEO              | 1 216 244 44                 | METAL CLUB               | 270        | E0/      | 1/10\\ |
| R404    | 1-216-845-11                 | METAL CHIP               | 100K  | 5%       | 1/10W          | R450              | 1-216-814-11                 | METAL CHIP               | 270        | 5%       | 1/10W  |
| R405    | 1-216-845-11                 | METAL CHIP               | 100K  | 5%       | 1/10W          | R451              | 1-216-814-11                 | METAL CHIP               | 270        | 5%       | 1/10W  |
| R406    | 1-216-864-11                 | SHORT CHIP               | 4017  | E0/      | 4/4014/        | R452              | 1-216-814-11                 | METAL CHIP               | 270        | 5%       | 1/10W  |
| R407    | 1-216-833-11                 | METAL CHIP               | 10K   | 5%       | 1/10W          | R456              | 1-216-825-11                 | METAL CHIP               | 2.2K       | 5%       | 1/10W  |



| REF.NO.      | PART NO.     | DESCRIPTION | VALU  | ES           |         | REF.NO. | PART NO.     | DESCRIPTION | VALU         | JES          |        |
|--------------|--------------|-------------|-------|--------------|---------|---------|--------------|-------------|--------------|--------------|--------|
| R457         | 1-216-825-11 | METAL CHIP  | 2.2K  | 5%           | 1/10W   | R540    | 1-216-809-11 | METAL CHIP  | 100          | 5%           | 1/10W  |
| R458         | 1-216-825-11 | METAL CHIP  | 2.2K  | 5%           | 1/10W   | R541    | 1-218-867-11 | METAL CHIP  | 6.8K         | 0.50%        | 1/10W  |
| R459         | 1-216-815-11 | METAL CHIP  | 330   | 5%           | 1/10W   | R542    | 1-216-809-11 | METAL CHIP  | 100          | 5%           | 1/10W  |
| R460         | 1-216-815-11 | METAL CHIP  | 330   | 5%           | 1/10W   | R543    | 1-216-826-11 | METAL CHIP  | 2.7K         | 5%           | 1/10W  |
| R461         | 1-216-815-11 | METAL CHIP  | 330   | 5%           | 1/10W   | R544    | 1-216-827-11 | METAL CHIP  | 3.3K         | 5%           | 1/10W  |
| R463         | 1-218-716-11 | METAL CHIP  | 10K   | 0.50%        | 1/10W   | R550    | 1-216-863-11 | METAL CHIP  | 3.3M         | 5%           | 1/10W  |
| R466         | 1-216-841-11 | METAL CHIP  | 47K   | 5%           | 1/10W   | R551    | 1-216-833-11 | METAL CHIP  | 10K          | 5%           | 1/10W  |
| R467         | 1-216-841-11 | METAL CHIP  | 47K   | 5%           | 1/10W   | R552    | 1-216-809-11 | METAL CHIP  | 100          | 5%           | 1/10W  |
| R471         | 1-216-821-11 | METAL CHIP  | 1K    | 5%           | 1/10W   | R553    | 1-216-834-11 | METAL CHIP  | 12K          | 5%           | 1/10W  |
| R472         | 1-216-829-11 | METAL CHIP  | 4.7K  | 5%           | 1/10W   | R554    | 1-216-809-11 | METAL CHIP  | 100          | 5%           | 1/10W  |
| R473         | 1-216-809-11 | METAL CHIP  | 100   | 5%           | 1/10W   | R556    | 1-216-808-11 | METAL CHIP  | 82           | 5%           | 1/10W  |
| R474         | 1-216-833-11 | METAL CHIP  | 10K   | 5%           | 1/10W   | R557    | 1-216-808-11 | METAL CHIP  | 82           | 5%           | 1/10W  |
| R476         | 1-216-808-11 | METAL CHIP  | 82    | 5%           | 1/10W   | R558    | 1-216-808-11 | METAL CHIP  | 82           | 5%           | 1/10W  |
| R477         | 1-216-829-11 | METAL CHIP  | 4.7K  | 5%           | 1/10W   | R559    | 1-216-817-11 | METAL CHIP  | 470          | 5%           | 1/10W  |
| R480         | 1-216-829-11 | METAL CHIP  | 4.7K  | 5%           | 1/10W   | R561    | 1-216-829-11 | METAL CHIP  | 4.7K         | 5%           | 1/10W  |
| R481         | 1-216-821-11 | METAL CHIP  | 1K    | 5%           | 1/10W   | R562    | 1-216-817-11 | METAL CHIP  | 470          | 5%           | 1/10W  |
| R482         | 1-216-839-11 | METAL CHIP  | 33K   | 5%<br>5%     | 1/10W   | R563    | 1-216-853-11 | METAL CHIP  | 470<br>470K  | 5%<br>5%     | 1/10W  |
| R462<br>R483 | 1-216-829-11 | METAL CHIP  | 4.7K  | 5%<br>5%     | 1/10W   | R566    | 1-216-829-11 | METAL CHIP  | 470K<br>4.7K | 5%<br>5%     | 1/10W  |
| R463<br>R484 | 1-216-809-11 | METAL CHIP  | 100   | 5%<br>5%     | 1/10W   | R567    | 1-218-708-11 | METAL CHIP  | 4.7K<br>4.7K |              | 1/10W  |
| R464<br>R489 | 1-216-829-11 | METAL CHIP  | 4.7K  | 5%<br>5%     | 1/10W   | R568    | 1-216-706-11 | METAL CHIP  | 100          | 5%           | 1/10W  |
| K409         | 1-210-029-11 | WE TAL CHIP | 4./ N | 370          | 171000  | K300    | 1-210-009-11 | METAL CHIP  | 100          | 3%           | 1/1000 |
| R490         | 1-216-808-11 | METAL CHIP  | 82    | 5%           | 1/10W   | R569    | 1-216-809-11 | METAL CHIP  | 100          | 5%           | 1/10W  |
| R493         | 1-216-829-11 | METAL CHIP  | 4.7K  | 5%           | 1/10W   | R570    | 1-218-716-11 | METAL CHIP  | 10K          | 0.50%        | 1/10W  |
| R495         | 1-216-829-11 | METAL CHIP  | 4.7K  | 5%           | 1/10W   | R571    | 1-216-864-11 | SHORT CHIP  |              |              |        |
| R496         | 1-216-809-11 | METAL CHIP  | 100   | 5%           | 1/10W   | R572    | 1-216-835-11 | METAL CHIP  | 15K          | 5%           | 1/10W  |
| R501         | 1-216-808-11 | METAL CHIP  | 82    | 5%           | 1/10W   | R574    | 1-216-833-11 | METAL CHIP  | 10K          | 5%           | 1/10W  |
| R502         | 1-216-825-11 | METAL CHIP  | 2.2K  | 5%           | 1/10W   | R575    | 1-216-833-11 | METAL CHIP  | 10K          | 5%           | 1/10W  |
| R503         | 1-216-833-11 | METAL CHIP  | 10K   | 5%           | 1/10W   | R576    | 1-216-829-11 | METAL CHIP  | 4.7K         | 5%           | 1/10W  |
| R504         | 1-216-829-11 | METAL CHIP  | 4.7K  | 5%           | 1/10W   | R577    | 1-216-829-11 | METAL CHIP  | 4.7K         | 5%           | 1/10W  |
| R505         | 1-216-821-11 | METAL CHIP  | 1K    | 5%           | 1/10W   | R593    | 1-216-829-11 | METAL CHIP  | 4.7K         | 5%           | 1/10W  |
| R506         | 1-216-837-11 | METAL CHIP  | 22K   | 5%           | 1/10W   | R594    | 1-216-833-11 | METAL CHIP  | 10K          | 5%           | 1/10W  |
| R507         | 1-216-825-11 | METAL CHIP  | 2.2K  | 5%           | 1/10W   | R596    | 1-216-841-11 | METAL CHIP  | 47K          | 5%           | 1/10W  |
| R508         | 1-216-825-11 | METAL CHIP  | 2.2K  | 5%           | 1/10W   | R597    | 1-216-821-11 | METAL CHIP  | 1K           | 5%           | 1/10W  |
| R509         | 1-216-837-11 | METAL CHIP  | 22K   | 5%           | 1/10W   | R598    | 1-216-833-11 | METAL CHIP  | 10K          | 5%           | 1/10W  |
| R510         | 1-216-825-11 | METAL CHIP  | 2.2K  | 5%           | 1/10W   | R599    | 1-216-829-11 | METAL CHIP  | 4.7K         | 5%           | 1/10W  |
| R512         | 1-216-864-11 | SHORT CHIP  |       |              |         | R602    | 1-216-837-11 | METAL CHIP  | 22K          | 5%           | 1/10W  |
| R513         | 1-216-826-11 | METAL CHIP  | 2.7K  | 5%           | 1/10W   | R603    | 1-216-833-11 | METAL CHIP  | 10K          | 5%           | 1/10W  |
| R515         | 1-216-809-11 | METAL CHIP  | 100   | 5%           | 1/10W   | R604    | 1-216-833-11 | METAL CHIP  | 10K          | 5%           | 1/10W  |
| R516         | 1-216-809-11 | METAL CHIP  | 100   | 5%           | 1/10W   | R605    | 1-216-833-11 | METAL CHIP  | 10K          | 5%           | 1/10W  |
| R517         | 1-216-809-11 | METAL CHIP  | 100   | 5%           | 1/10W   | R606    | 1-216-833-11 | METAL CHIP  | 10K          | 5%           | 1/10W  |
| R518         | 1-216-829-11 | METAL CHIP  | 4.7K  | 5%           | 1/10W   | R607    | 1-216-833-11 | METAL CHIP  | 10K          | 5%           | 1/10W  |
| R519         | 1-216-821-11 | METAL CHIP  | 1K    | 5%           | 1/10W   | R608    | 1-216-833-11 | METAL CHIP  | 10K          | 5%           | 1/10W  |
| R521         | 1-216-833-11 | METAL CHIP  | 10K   | 5%           | 1/10W   | R609    | 1-216-809-11 | METAL CHIP  | 100          | 5%           | 1/10W  |
| R527         | 1-216-864-11 | SHORT CHIP  | 1011  | <b>J</b> /U  | 17 1011 | R613    | 1-216-833-11 | METAL CHIP  | 10K          | 5%           | 1/10W  |
| R538         | 1-216-809-11 | METAL CHIP  | 100   | 5%           | 1/10W   | R616    | 1-216-833-11 | METAL CHIP  | 10K          | 5%           | 1/10W  |
| 1.000        | . 210 000 11 |             | .50   | <b>3</b> / 0 |         | 1 1010  | . 210 000 11 |             |              | <b>3</b> / 0 |        |



| REF.NO.      | PART NO.                     | DESCRIPTION              | VALUES     |           | REF.NO         |               | PART NO.                     | DESCRIPTION              | VALUES    |          |                |
|--------------|------------------------------|--------------------------|------------|-----------|----------------|---------------|------------------------------|--------------------------|-----------|----------|----------------|
| R617         | 1-216-809-11                 | METAL CHIP               | 100        | 5%        | 1/10W          | R744          | 1-216-821-11                 | METAL CHIP               | 1K        | 5%       | 1/10W          |
| R618         | 1-216-809-11                 | METAL CHIP               | 100        | 5%        | 1/10W          | R745          | 1-216-841-11                 | METAL CHIP               | 47K       | 5%       | 1/10W          |
| R619         | 1-216-821-11                 | METAL CHIP               | 1K         | 5%        | 1/10W          | R747          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R620         | 1-216-801-11                 | METAL CHIP               | 22         | 5%        | 1/10W          | R748          | 1-216-833-11                 | METAL CHIP               | 10K       | 5%       | 1/10W          |
| R621         | 1-216-801-11                 | METAL CHIP               | 22         | 5%        | 1/10W          | R749          | 1-216-849-11                 | METAL CHIP               | 220K      | 5%       | 1/10W          |
| R622         | 1-216-801-11                 | METAL CLUB               | 22         | E0/       | 1/10\\         | D750          | 1 016 005 11                 | METAL CHID               | 2 21/     | 5%       | 1/10/4/        |
|              |                              | METAL CHIP               |            | 5%        | 1/10W          | R750          | 1-216-825-11                 | METAL CHIP               | 2.2K      |          | 1/10W          |
| R624         | 1-216-809-11                 | METAL CHIP               | 100        | 5%<br>5%  | 1/10W          | R751          | 1-216-821-11                 | METAL CHIP               | 1K        | 5%       | 1/10W          |
| R628         | 1-249-377-11                 | CARBON                   | 0.47       | 5%<br>50/ | 1/4W           | R752          | 1-216-821-11                 | METAL CHIP               | 1K        | 5%       | 1/10W          |
| R701         | 1-216-817-11                 | METAL CHIP               | 470        | 5%        | 1/10W          | R753          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R702         | 1-216-841-11                 | METAL CHIP               | 47K        | 5%        | 1/10W          | R754          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R703         | 1-216-821-11                 | METAL CHIP               | 1K         | 5%        | 1/10W          | R755          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R705         | 1-216-809-11                 | METAL CHIP               | 100        | 5%        | 1/10W          | R756          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R706         | 1-216-809-11                 | METAL CHIP               | 100        | 5%        | 1/10W          | R758          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R707         | 1-216-809-11                 | METAL CHIP               | 100        | 5%        | 1/10W          | R759          | 1-216-821-11                 | METAL CHIP               | 1K        | 5%       | 1/10W          |
| R708         | 1-216-809-11                 | METAL CHIP               | 100        | 5%        | 1/10W          | R760          | 1-216-849-11                 | METAL CHIP               | 220K      | 5%       | 1/10W          |
| R709         | 1-216-817-11                 | METAL CHIP               | 470        | 5%        | 1/10W          | R761          | 1-216-849-11                 | METAL CHIP               | 220K      | 5%       | 1/10W          |
| R710         | 1-216-813-11                 | METAL CHIP               | 220        | 5%        | 1/10W          | R762          | 1-216-845-11                 | METAL CHIP               | 100K      | 5%       | 1/10W          |
| R710<br>R711 |                              | METAL CHIP               |            |           |                | R763          |                              |                          | 330       | 5%<br>5% | 1/10W          |
| R711         | 1-216-833-11                 |                          | 10K<br>220 | 5%        | 1/10W          | R763<br>R764  | 1-216-815-11                 | METAL CHIP               |           | 5%<br>5% | 1/10W          |
|              | 1-216-813-11                 | METAL CHIP               |            | 5%        | 1/10W          |               | 1-216-821-11                 | METAL CHIP               | 1K        |          |                |
| R713         | 1-216-825-11                 | METAL CHIP               | 2.2K       | 5%        | 1/10W          | R765          | 1-216-815-11                 | METAL CHIP               | 330       | 5%       | 1/10W          |
| R714         | 1-216-809-11                 | METAL CHIP               | 100        | 5%        | 1/10W          | R766          | 1-216-821-11                 | METAL CHIP               | 1K        | 5%       | 1/10W          |
| R715         | 1-216-809-11                 | METAL CHIP               | 100        | 5%        | 1/10W          | R767          | 1-216-833-11                 | METAL CHIP               | 10K       | 5%       | 1/10W          |
| R716         | 1-216-821-11                 | METAL CHIP               | 1K         | 5%        | 1/10W          | R768          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R717         | 1-216-827-11                 | METAL CHIP               | 3.3K       | 5%        | 1/10W          | R769          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R718         | 1-216-827-11                 | METAL CHIP               | 3.3K       | 5%        | 1/10W          | R770          | 1-216-845-11                 | METAL CHIP               | 100K      | 5%       | 1/10W          |
| R719         | 1-216-813-11                 | METAL CHIP               | 220        | 5%        | 1/10W          | R771          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R720         | 1-216-809-11                 | METAL CHIP               | 100        | 5%        | 1/10W          | R772          | 1-216-821-11                 | METAL CHIP               | 1K        | 5%       | 1/10W          |
| R721         | 1-216-823-11                 | METAL CHIP               | 1.5K       | 5%        | 1/10W          | R773          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R722         | 1-216-825-11                 | METAL CHIP               | 2.2K       | 5%        | 1/10W          | R774          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R723         | 1-216-825-11                 | METAL CHIP               | 2.2K       | 5%        | 1/10W          | R775          | 1-216-821-11                 | METAL CHIP               | 1K        | 5%       | 1/10W          |
| <b>5-0</b> . |                              |                          |            | -0/       |                |               |                              |                          |           | -0/      |                |
| R724         | 1-216-825-11                 | METAL CHIP               | 2.2K       | 5%        | 1/10W          | R777          | 1-216-821-11                 | METAL CHIP               | 1K        | 5%       | 1/10W          |
| R725         | 1-216-809-11                 | METAL CHIP               | 100        | 5%        | 1/10W          | R778          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R727         | 1-216-825-11                 | METAL CHIP               | 2.2K       | 5%        | 1/10W          | R779          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R728         | 1-216-864-11                 | SHORT CHIP               |            |           |                | R781          | 1-216-823-11                 | METAL CHIP               | 1.5K      | 5%       | 1/10W          |
| R730         | 1-216-809-11                 | METAL CHIP               | 100        | 5%        | 1/10W          | R782          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R732         | 1-216-809-11                 | METAL CHIP               | 100        | 5%        | 1/10W          | R783          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R733         | 1-216-821-11                 | METAL CHIP               | 1K         | 5%        | 1/10W          | R784          | 1-216-809-11                 | METAL CHIP               | 100       | 5%       | 1/10W          |
| R735         | 1-216-833-11                 | METAL CHIP               | 10K        | 5%        | 1/10W          | R785          | 1-216-821-11                 | METAL CHIP               | 1K        | 5%       | 1/10W          |
| R736         | 1-216-813-11                 | METAL CHIP               | 220        | 5%        | 1/10W          | R786          | 1-216-821-11                 | METAL CHIP               | 1K        | 5%       | 1/10W          |
| R737         | 1-216-833-11                 | METAL CHIP               | 10K        | 5%        | 1/10W          | R787          | 1-216-833-11                 | METAL CHIP               | 10K       | 5%       | 1/10W          |
| D720         | 1 210 700 11                 | METAL CLIP               | 171/       | 0 500/    | 1/10\\\        | D <b>7</b> 00 | 1 216 045 44                 | METAL CUID               | 1001/     | E0/      | 1/10\\         |
| R738         | 1-218-708-11                 | METAL CHIP               | 4.7K       |           | 1/10W          | R788          | 1-216-845-11                 | METAL CHIP               | 100K      | 5%<br>5% | 1/10W          |
| R740<br>R742 | 1-216-809-11<br>1-216-821-11 | METAL CHIP<br>METAL CHIP | 100<br>1K  | 5%<br>5%  | 1/10W<br>1/10W | R790<br>R796  | 1-216-837-11<br>1-216-821-11 | METAL CHIP<br>METAL CHIP | 22K<br>1K | 5%<br>5% | 1/10W<br>1/10W |
| R742<br>R743 |                              |                          | 100        | 5%<br>5%  |                | R790<br>R797  |                              |                          |           | 5%<br>5% | 1/10W          |
| K/43         | 1-216-809-11                 | METAL CHIP               | 100        | J%        | 1/10W          | K/3/          | 1-216-829-11                 | METAL CHIP               | 4.7K      | J%       | 1/1000         |



| REF.NO. | PART NO.     | DESCRIPTION   | VALUES      |          |        |     | REF.NO.        | PART NO.          | DESCRIPTION            | VALUES           |         |            |
|---------|--------------|---------------|-------------|----------|--------|-----|----------------|-------------------|------------------------|------------------|---------|------------|
| R803    | 1-216-833-11 | METAL CHIP    | 10K         | 5%       | 1/10W  |     | R878           | 1-216-821-11      | METAL CHIP             | 1K               | 5%      | 1/10W      |
| R804    | 1-216-837-11 | METAL CHIP    | 22K         | 5%       | 1/10W  |     | R879           | 1-216-821-11      | METAL CHIP             | 1K               | 5%      | 1/10W      |
| R806    | 1-216-829-11 | METAL CHIP    | 4.7K        | 5%       | 1/10W  |     | R885           | 1-216-833-11      | METAL CHIP             | 10K              | 5%      | 1/10W      |
| R807    | 1-216-829-11 | METAL CHIP    | 4.7K        | 5%       | 1/10W  |     | R886           | 1-216-833-11      | METAL CHIP             | 10K              | 5%      | 1/10W      |
| R810    | 1-216-833-11 | METAL CHIP    | 10K         | 5%       | 1/10W  |     | R887           | 1-216-821-11      | METAL CHIP             | 1K               | 5%      | 1/10W      |
|         |              |               |             |          |        |     |                |                   |                        |                  |         |            |
| R813    | 1-216-845-11 | METAL CHIP    | 100K        | 5%       | 1/10W  |     | R889           | 1-216-807-11      | METAL CHIP             | 68               | 5%      | 1/10W      |
| R817    | 1-216-845-11 | METAL CHIP    | 100K        | 5%       | 1/10W  |     | R890           | 1-216-807-11      | METAL CHIP             | 68               | 5%      | 1/10W      |
| R818    | 1-216-833-11 | METAL CHIP    | 10K         | 5%       | 1/10W  |     | R891           | 1-216-807-11      | METAL CHIP             | 68               | 5%      | 1/10W      |
| R823    | 1-216-835-11 | METAL CHIP    | 15K         | 5%       | 1/10W  |     | R897           | 1-216-821-11      | METAL CHIP             | 1K               | 5%      | 1/10W      |
| R828    | 1-216-817-11 | METAL CHIP    | 470         | 5%       | 1/10W  |     | R899           | 1-216-821-11      | METAL CHIP             | 1K               | 5%      | 1/10W      |
| R829    | 1-216-864-11 | SHORT CHIP    |             |          |        |     |                | TUNER             |                        |                  |         |            |
| R830    | 1-216-809-11 | METAL CHIP    | 100         | 5%       | 1/10W  |     |                | 1011211           |                        |                  |         |            |
| R831    | 1-216-839-11 | METAL CHIP    | 33K         | 5%       | 1/10W  |     | TU1            | 8-598-594-10      | TUNER, FSS BTF-FA      | 421              |         |            |
| R832    | 1-216-817-11 | METAL CHIP    | 470         | 5%       | 1/10W  |     | TU2            | 8-598-593-20      | TUNER, FSS BTF-WA      | <del>\</del> 421 |         |            |
| R833    | 1-216-839-11 | METAL CHIP    | 33K         | 5%       | 1/10W  |     |                |                   |                        |                  |         |            |
|         |              |               |             |          |        |     |                | VARISTOR          |                        |                  |         |            |
| R834    | 1-216-805-11 | METAL CHIP    | 47          | 5%       | 1/10W  |     | VD1            | 1-804-499-21      | VARISTOR, CHIP         | (1608)           |         |            |
| R835    | 1-216-837-11 | METAL CHIP    | 22K         | 5%       | 1/10W  |     | VD2            | 1-804-499-21      | VARISTOR, CHIP         | (1608)           |         |            |
| R836    | 1-216-864-11 | SHORT CHIP    |             |          |        |     | VD3            | 1-804-499-21      | VARISTOR, CHIP         | (1608)           |         |            |
| R837    | 1-216-829-11 | METAL CHIP    | 4.7K        | 5%       | 1/10W  |     | VD4            | 1-804-499-21      | VARISTOR, CHIP         | (1608)           |         |            |
| R838    | 1-216-809-11 | METAL CHIP    | 100         | 5%       | 1/10W  |     |                |                   |                        |                  |         |            |
| R839    | 1-216-864-11 | SHORT CHIP    |             |          |        |     |                | CRYSTAL           |                        |                  |         |            |
| R840    | 1-216-841-11 | METAL CHIP    | 47K         | 5%       | 1/10W  |     | X1             | 1-767-882-21      | VIBRATOR, CRYSTA       | L                |         |            |
| R841    | 1-216-839-11 | METAL CHIP    | 33K         | 5%       | 1/10W  |     | X301           | 1-567-505-11      | OSCILLATOR, CRYS       | TAL              |         |            |
| R842    | 1-216-818-11 | METAL CHIP    | 560         | 5%       | 1/10W  |     | X302           | 1-767-179-31      | VIBRATOR, CERAMIO      | 0                |         |            |
| R844    | 1-216-864-11 | SHORT CHIP    |             |          |        |     | X303           | 1-567-505-11      | OSCILLATOR, CRYS       | TAL              |         |            |
|         |              |               |             |          |        |     | X304           | 1-767-179-31      | VIBRATOR, CERAMIC      | C                |         |            |
| R845    | 1-216-818-11 | METAL CHIP    | 560         | 5%       | 1/10W  |     |                |                   |                        |                  |         |            |
| R846    | 1-218-871-11 | METAL CHIP    | 10K         | 0.50%    | 1/10W  |     | X305           | 1-781-282-11      | VIBRATOR, CERAMI       |                  |         |            |
| R847    | 1-218-870-11 | METAL CHIP    | 9.1K        | 0.50%    | 1/10W  |     | X307           | 1-760-895-21      | VIBRATOR, CERAMI       |                  |         |            |
| R848    | 1-216-836-11 | METAL CHIP    | 18K         | 5%       | 1/10W  |     | X701           | 1-795-572-11      | VIBRATOR, CRYSTA       | L                |         |            |
| R849    | 1-216-836-11 | METAL CHIP    | 18K         | 5%       | 1/10W  | ╽┌⋀ |                |                   |                        |                  |         |            |
| R851    | 1-216-833-11 | METAL CHIP    | 10K         | 5%       | 1/10W  |     | <del>1</del> リ |                   |                        |                  |         |            |
| R853    | 1-218-871-11 | METAL CHIP    | 10K         |          | 1/10W  |     |                |                   |                        |                  |         |            |
| R854    | 1-216-838-11 | METAL CHIP    | 27K         | 5%       | 1/10W  |     |                |                   | this board, performi   |                  |         |            |
| R855    | 1-216-864-11 | SHORT CHIP    | 2/10        | 070      | 171000 |     |                |                   | led. If service is req | uired, com       | plete b | oard       |
| R857    | 1-216-838-11 | METAL CHIP    | 27K         | 5%       | 1/10W  |     | •              | •                 | red repair method.     |                  |         |            |
| 11007   | 1 210 000 11 | WE IAE OF III | 2710        | 070      | 171011 |     | Data is p      | rovided for refer | ence only.             |                  |         |            |
| R860    | 1-249-389-11 | CARBON        | 4.7         | 5%       | 1/4W   | *   |                | A-1302-179-A      | AD BOARD, COM          | PLETE            |         |            |
| R861    | 1-249-389-11 | CARBON        | 4.7         | 5%       | 1/4W   |     |                |                   |                        |                  |         |            |
| R862    | 1-216-839-11 | METAL CHIP    | 33K         | 5%       | 1/10W  |     |                | <u>CAPACITOR</u>  |                        |                  |         |            |
| R863    | 1-216-841-11 | METAL CHIP    | 47K         | 5%       | 1/10W  |     | C1601          | 1-126-933-11      | ELECT                  | 100µF            | 20%     | 16V        |
| R864    | 1-216-829-11 | METAL CHIP    | 4.7K        | 5%       | 1/10W  |     | C1601          | 1-126-933-11      | ELECT                  | 100μF<br>100μF   | 20%     | 16V<br>16V |
| R867    | 1-216-829-11 | METAL CHIP    | 4.7K        | 5%       | 1/10W  |     | C1603          | 1-164-156-11      | CERAMIC CHIP           | 0.1µF            |         | 25V        |
| R869    | 1-216-834-11 | METAL CHIP    | 4.7K<br>12K | 5%<br>5% | 1/10W  |     | C1604          | 1-164-156-11      | CERAMIC CHIP           | 0.1µF            |         | 25V        |
| R870    |              |               | 12K<br>47K  | 5%<br>5% |        |     | C1605          | 1-164-156-11      | CERAMIC CHIP           | 0.1µF            |         | 25V        |
|         | 1-216-841-11 | METAL CHIP    |             |          | 1/10W  |     | - ·            |                   |                        |                  |         | =*:        |
| R871    | 1-216-809-11 | METAL CHIP    | 100         | 5%       | 1/10W  |     |                |                   |                        |                  |         |            |



| REF.NO. | PART NO.     | DESCRIPTION     | VALUES   | 3     |            | <br>REF.NO. | PART NO.     | DESCRIPTION      | VALUE    | S      |      |
|---------|--------------|-----------------|----------|-------|------------|-------------|--------------|------------------|----------|--------|------|
| C1606   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1661       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| C1607   | 1-126-933-11 | ELECT           | 100µF    | 20%   | 16V        | C1663       | 1-126-933-11 | ELECT            | 100µF    | 20%    | 16V  |
| C1608   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1664       | 1-126-933-11 | ELECT            | 100µF    | 20%    | 16V  |
| C1609   | 1-162-966-11 | CERAMIC CHIP    | 0.0022µF | 10%   | 50V        | C1665       | 1-126-933-11 | ELECT            | 100μF    | 20%    | 16V  |
| C1610   | 1-162-962-11 | CERAMIC CHIP    | 470pF    | 10%   | 50V        | C1666       | 1-162-927-11 | CERAMIC CHIP     | 100pF    | 5%     | 50V  |
| 01010   | 1-102-302-11 | OLIVAIMIO OTIII | +1 орг   | 10 /0 | 30 V       | 01000       | 1-102-321-11 | OLIVAINIO OI III | тоорі    | J /0   | 30 V |
| C1611   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1668       | 1-162-927-11 | CERAMIC CHIP     | 100pF    | 5%     | 50V  |
| C1612   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1669       | 1-162-910-11 | CERAMIC CHIP     | 5pF      | 0.25pF | 50V  |
| C1613   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1670       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| C1614   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1671       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| C1615   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1672       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| C1616   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1673       | 1-162-910-11 | CERAMIC CHIP     | 5pF      | 0.25pF | E0\/ |
| C1617   | 1-164-156-11 | CERAMIC CHIP    | 0.1μF    |       | 25V<br>25V | C1673       | 1-164-315-11 | CERAMIC CHIP     | 470pF    | 5%     | 50V  |
|         |              |                 |          | 200/  |            |             |              |                  | •        |        |      |
| C1618   | 1-126-933-11 | ELECT CLUB      | 100μF    | 20%   | 16V        | C1675       | 1-164-315-11 | CERAMIC CHIP     | 470pF    | 5%     | 50V  |
| C1619   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1676       | 1-163-137-00 | CERAMIC CHIP     | 680pF    | 5%     | 50V  |
| C1621   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1677       | 1-126-933-11 | ELECT            | 100µF    | 20%    | 16V  |
| C1625   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1678       | 1-163-137-00 | CERAMIC CHIP     | 680pF    | 5%     | 50V  |
| C1626   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1680       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| C1627   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1681       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| C1628   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1682       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| C1629   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1683       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| 04000   | 4 404 450 44 | OEDANIO OLUD    | 0.4 5    |       | 05)/       | 04004       | 4 404 450 44 | OEDAMIO OLUD     | 0.4.5    |        | 05)/ |
| C1630   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    | 000/  | 25V        | C1684       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| C1631   | 1-126-933-11 | ELECT           | 100µF    | 20%   | 16V        | C1685       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| C1632   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1688       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    | =0/    | 25V  |
| C1633   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    | 000/  | 25V        | C1690       | 1-162-927-11 | CERAMIC CHIP     | 100pF    | 5%     | 50V  |
| C1634   | 1-126-963-11 | ELECT           | 4.7µF    | 20%   | 50V        | C1691       | 1-126-933-11 | ELECT            | 100µF    | 20%    | 16V  |
| C1635   | 1-162-923-11 | CERAMIC CHIP    | 47pF     | 5%    | 50V        | C1692       | 1-126-933-11 | ELECT            | 100µF    | 20%    | 16V  |
| C1636   | 1-107-826-11 | CERAMIC CHIP    | 0.1µF    | 10%   | 16V        | C1693       | 1-126-933-11 | ELECT            | 100µF    | 20%    | 16V  |
| C1637   | 1-162-919-11 | CERAMIC CHIP    | 22pF     | 5%    | 50V        | C1694       | 1-162-927-11 | CERAMIC CHIP     | 100pF    | 5%     | 50V  |
| C1638   | 1-162-919-11 | CERAMIC CHIP    | 22pF     | 5%    | 50V        | C1695       | 1-162-910-11 | CERAMIC CHIP     | 5pF      | 0.25pF |      |
| C1639   | 1-126-933-11 | ELECT           | 100µF    | 20%   | 16V        | C1696       | 1-162-910-11 | CERAMIC CHIP     | 5pF      | 0.25pF |      |
| 04040   | 4 400 000 44 | FLEOT           | 400 5    | 000/  | 40) /      | 04007       | 4 404 450 44 | OEDAMIO OLUD     | 0.4.5    |        | 05)/ |
| C1640   | 1-126-933-11 | ELECT           | 100µF    | 20%   | 16V        | C1697       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| C1641   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1698       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| C1643   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1699       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| C1644   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    | -0/   | 25V        | C1700       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| C1645   | 1-164-315-11 | CERAMIC CHIP    | 470pF    | 5%    | 50V        | C1701       | 1-162-968-11 | CERAMIC CHIP     | 0.0047µF | 10%    | 50V  |
| C1646   | 1-164-315-11 | CERAMIC CHIP    | 470pF    | 5%    | 50V        | C1704       | 1-126-933-11 | ELECT            | 100µF    | 20%    | 16V  |
| C1647   | 1-163-137-00 | CERAMIC CHIP    | 680pF    | 5%    | 50V        | C1707       | 1-164-315-11 | CERAMIC CHIP     | 470pF    | 5%     | 50V  |
| C1649   | 1-163-137-00 | CERAMIC CHIP    | 680pF    | 5%    | 50V        | C1708       | 1-163-137-00 | CERAMIC CHIP     | 680pF    | 5%     | 50V  |
| C1651   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1709       | 1-164-315-11 | CERAMIC CHIP     | 470pF    | 5%     | 50V  |
| C1652   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1711       | 1-163-137-00 | CERAMIC CHIP     | 680pF    | 5%     | 50V  |
| 04050   | 1 164 156 14 | CEDAMIC CLUB    | 0.4      |       | 25/        | C4740       | 1 164 150 44 | CEDAMIC CLUB     | 0.4      |        | 251/ |
| C1656   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1712       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| C1657   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1714       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    |        | 25V  |
| C1658   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1715       | 1-164-156-11 | CERAMIC CHIP     | 0.1µF    | E0/    | 25V  |
| C1659   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF    |       | 25V        | C1717       | 1-162-927-11 | CERAMIC CHIP     | 100pF    | 5%     | 50V  |



| REF.NO. | PART NO.      | DESCRIPTION     | VALUES       |           | REF.NO.        | PART NO.          | DESCRIPTION     | VAL    | UES      |          |
|---------|---------------|-----------------|--------------|-----------|----------------|-------------------|-----------------|--------|----------|----------|
| C1718   | 1-164-156-11  | CERAMIC CHIP    | 0.1µF        | 25V       |                | <u>IC</u>         |                 |        |          |          |
| C1720   | 1-162-910-11  | CERAMIC CHIP    | 5pF 0        | .25pF 50V | 104004         | 0.750.000.55      | 10              | 014004 | 745      |          |
| C1721   | 1-162-927-11  | CERAMIC CHIP    | 100pF 5      | % 50V     | IC1601         | 8-759-683-55      | IC              | CM001  |          |          |
| C1722   | 1-162-910-11  | CERAMIC CHIP    | 5pF 0        | .25pF 50V | IC1602         | 8-759-830-08      | IC              |        | 68V-TE2  |          |
| C1730   | 1-126-916-11  | ELECT           | 1000µF 2     | 0% 6.3V   | IC1603         | 8-759-830-08      | IC              |        | 68V-TE2  |          |
|         |               |                 | ·            |           | IC1605         | 8-759-352-91      | IC              | PST914 |          |          |
| C1731   | 1-162-970-11  | CERAMIC CHIP    | 0.01µF 1     | 0% 25V    | IC1606         | 8-752-933-62      | IC              | CXP86  | 460-647Q |          |
| C1732   | 1-162-970-11  | CERAMIC CHIP    | 0.01µF 1     | 0% 25V    |                |                   |                 |        |          | _        |
| C1733   | 1-162-970-11  | CERAMIC CHIP    | 0.01µF 1     | 0% 25V    | IC1607         | 6-700-319-01      | IC              |        | B-BWMN6  | šΤ       |
| C1734   | 1-162-970-11  | CERAMIC CHIP    | 0.01µF 1     | 0% 25V    | IC1608         | 8-759-829-87      | IC              | CD003  |          |          |
|         |               |                 | ·            |           | IC1609         | 8-759-830-08      | IC              |        | 68V-TE2  |          |
|         | CONNECTOR     |                 |              |           | IC1610         | 8-759-830-08      | IC              |        | 68V-TE2  |          |
|         |               |                 |              |           | IC1611         | 8-759-830-08      | IC              |        | 68V-TE2  |          |
| CN1601  | 1-573-301-22  | CONNECTOR, BOAR |              |           | IC1612         | 8-759-830-08      | IC              | NJM20  | 68V-TE2  |          |
| CN1602  | 1-573-301-22  | CONNECTOR, BOAR | O TO BOARD 2 | 0P        |                |                   |                 |        |          |          |
|         |               |                 |              |           |                | <u>COIL</u>       |                 |        |          |          |
|         | DIODE         |                 |              |           | L1602          | 1-469-555-21      | INDUCTOR        | 10µH   |          |          |
| D1601   | 8-719-988-61  | DIODE           | 1SS355TE-1   | 7         | 21002          | 1 100 000 21      | 1112001011      | .ομ    |          |          |
| D1603   | 8-719-988-61  | DIODE           | 1SS355TE-1   |           | п              | TRANSISTOR        |                 |        |          |          |
| D1604   | 8-719-069-54  | DIODE           | UDZSTE-17    |           |                | - THU LIVE TO THE |                 |        |          |          |
| D1605   | 8-719-069-54  | DIODE           | UDZSTE-17    |           | Q1603          | 8-729-120-28      | TRANSISTOR      | 2SC162 | 23-L5L6  |          |
| D1606   | 8-719-069-54  | DIODE           | UDZSTE-17    |           | Q1604          | 8-729-120-28      | TRANSISTOR      | 2SC162 | 23-L5L6  |          |
| B 1000  | 0 1 10 000 01 | DIODL           | ODZOTZ III   | 0.15      | Q1606          | 8-729-120-28      | TRANSISTOR      | 2SC162 | 23-L5L6  |          |
| D1607   | 8-719-069-54  | DIODE           | UDZSTE-17    | 5 1B      | Q1607          | 8-729-120-28      | TRANSISTOR      | 2SC162 | 23-L5L6  |          |
| D1691   | 8-719-988-61  | DIODE           | 1SS355TE-1   |           |                |                   |                 |        |          |          |
| D1692   | 8-719-988-61  | DIODE           | 1SS355TE-1   |           |                | <u>RESISTOR</u>   |                 |        |          |          |
| D1693   | 8-719-988-61  | DIODE           | 1SS355TE-1   |           | R1600          | 1-216-833-11      | METAL CHIP      | 10K    | 5%       | 1/10W    |
| 2.000   |               | 2.022           |              | •         | R1601          | 1-216-841-11      | METAL CHIP      | 47K    | 5%       | 1/10W    |
|         | FERRITE BEAD  |                 |              |           | R1602          | 1-216-833-11      | METAL CHIP      | 10K    | 5%       | 1/10W    |
|         |               |                 |              |           | R1603          | 1-216-821-11      | METAL CHIP      | 1K     | 5%       | 1/10W    |
| FB1601  | 1-414-445-11  | FERRITE         | 0μΗ          |           | R1604          | 1-216-833-11      | METAL CHIP      | 10K    | 5%       | 1/10W    |
| FB1602  | 1-414-445-11  | FERRITE         | 0μΗ          |           | 111004         | 1-210-033-11      | WILLIAL CITII   | TOIX   | 3 /0     | 1/1000   |
| FB1603  | 1-414-445-11  | FERRITE         | 0μΗ          |           | R1605          | 1-216-821-11      | METAL CHIP      | 1K     | 5%       | 1/10W    |
| FB1604  | 1-414-445-11  | FERRITE         | 0μΗ          |           | R1606          | 1-216-821-11      | METAL CHIP      | 1K     | 5%       | 1/10W    |
| FB1605  | 1-414-445-11  | FERRITE         | 0μΗ          |           | R1607          | 1-216-821-11      | METAL CHIP      | 1K     | 5%       | 1/10W    |
|         |               |                 |              |           | R1608          | 1-216-809-11      | METAL CHIP      | 100    | 5%       | 1/10W    |
| FB1606  | 1-414-445-11  | FERRITE         | 0μH          |           | R1609          | 1-216-809-11      | METAL CHIP      | 100    | 5%       | 1/10W    |
| FB1607  | 1-414-445-11  | FERRITE         | 0μΗ          |           | 171009         | 1-210-009-11      | WILLIAL CITII   | 100    | 3 /0     | 1/1000   |
| FB1608  | 1-414-445-11  | FERRITE         | 0μΗ          |           | R1611          | 1-216-825-11      | METAL CHIP      | 2.2K   | 5%       | 1/10W    |
| FB1609  | 1-414-445-11  | FERRITE         | 0μΗ          |           | R1614          | 1-216-825-11      | METAL CHIP      | 2.2K   | 5%       | 1/10W    |
| FB1610  | 1-414-445-11  | FERRITE         | 0μH          |           | R1615          | 1-216-821-11      | METAL CHIP      | 1K     | 5%       | 1/10W    |
|         |               |                 |              |           | R1618          | 1-216-809-11      | METAL CHIP      | 100    | 5%       | 1/10W    |
| FB1611  | 1-414-445-11  | FERRITE         | 0μΗ          |           | R1619          | 1-216-864-11      | SHORT CHIP      | 100    | 3 /0     | 1/1000   |
| FB1612  | 1-414-445-11  | FERRITE         | 0μΗ          |           | 1019           | 1-210-004-11      | SHORT OTH       |        |          |          |
| FB1613  | 1-414-445-11  | FERRITE         | 0μΗ          |           | R1620          | 1-216-809-11      | METAL CHIP      | 100    | 5%       | 1/10W    |
| FB1614  | 1-414-445-11  | FERRITE         | 0μH          |           | R1621          | 1-216-821-11      | METAL CHIP      | 1K     | 5%       | 1/10W    |
| FB1615  | 1-414-445-11  | FERRITE         | 0μH          |           | R1622          | 1-216-839-11      | METAL CHIP      | 33K    | 5%       | 1/10W    |
|         |               |                 |              |           | R1622<br>R1623 | 1-216-821-11      | METAL CHIP      | 1K     | 5%<br>5% | 1/10W    |
| FB1616  | 1-414-445-11  | FERRITE         | 0μΗ          |           | R1625          | 1-216-821-11      | METAL CHIP      | 1K     | 5%<br>5% | 1/10W    |
| FB1617  | 1-414-445-11  | FERRITE         | 0μΗ          |           | 1/1025         | 1-210-021-11      | IVIL IAL OI IIF | ıı     | J /0     | 1/ 1000  |
|         |               |                 |              |           | R1627          | 1-216-821-11      | METAL CHIP      | 1K     | 5%       | 1/10W    |
|         |               |                 |              |           | R1634          | 1-216-809-11      | METAL CHIP      | 100    | 5%<br>5% | 1/10W    |
|         |               |                 |              |           | 1 K1034        | 1-210-009-11      | IVIE IAL UNIF   | 100    | 370      | 1/ 10 88 |



| REF.NO. | PART NO.                  | DESCRIPTION    | VALUI | ES      |         |   | REF.NO.  | PART NO.       | DESCRIPTION         | VALU   | ES     |         |
|---------|---------------------------|----------------|-------|---------|---------|---|----------|----------------|---------------------|--------|--------|---------|
| R1635   | 1-216-809-11              | METAL CHIP     | 100   | 5%      | 1/10W   |   | R1686    | 1-216-809-11   | METAL CHIP          | 100    | 5%     | 1/10W   |
| R1636   | 1-216-833-11              | METAL CHIP     | 10K   | 5%      | 1/10W   |   | R1687    | 1-216-817-11   | METAL CHIP          | 470    | 5%     | 1/10W   |
| R1637   | 1-216-821-11              | METAL CHIP     | 1K    | 5%      | 1/10W   |   | R1690    | 1-218-724-11   | METAL CHIP          | 22K    | 0.50%  | 1/10W   |
| R1638   | 1-216-813-11              | METAL CHIP     | 220   | 5%      | 1/10W   |   | R1691    | 1-218-724-11   | METAL CHIP          | 22K    | 0.50%  | 1/10W   |
| R1639   | 1-216-809-11              | METAL CHIP     | 100   | 5%      | 1/10W   |   | R1692    | 1-218-724-11   | METAL CHIP          | 22K    | 0.50%  |         |
|         |                           |                |       |         |         |   |          |                |                     |        |        |         |
| R1641   | 1-216-825-11              | METAL CHIP     | 2.2K  | 5%      | 1/10W   |   | R1693    | 1-218-724-11   | METAL CHIP          | 22K    | 0.50%  | 1/10W   |
| R1642   | 1-216-821-11              | METAL CHIP     | 1K    | 5%      | 1/10W   |   | R1694    | 1-218-716-11   | METAL CHIP          | 10K    | 0.50%  | 1/10W   |
| R1643   | 1-216-821-11              | METAL CHIP     | 1K    | 5%      | 1/10W   |   | R1695    | 1-218-716-11   | METAL CHIP          | 10K    | 0.50%  | 1/10W   |
| R1644   | 1-216-825-11              | METAL CHIP     | 2.2K  | 5%      | 1/10W   |   | R1696    | 1-218-716-11   | METAL CHIP          | 10K    | 0.50%  | 1/10W   |
| R1645   | 1-216-815-11              | METAL CHIP     | 330   | 5%      | 1/10W   |   | R1697    | 1-218-716-11   | METAL CHIP          | 10K    | 0.50%  | 1/10W   |
| D4040   | 4 040 005 44              | METAL CLUD     | 0.01/ | F0/     | 4/40/4/ |   | D4600    | 4 040 700 44   | METAL CUID          | 0.01/  | 0.500/ | 4/40\\  |
| R1646   | 1-216-825-11              | METAL CHIP     | 2.2K  | 5%      | 1/10W   |   | R1698    | 1-218-700-11   | METAL CHIP          | 2.2K   |        | 1/10W   |
| R1647   | 1-216-833-11              | METAL CHIP     | 10K   | 5%      | 1/10W   |   | R1699    | 1-218-700-11   | METAL CHIP          | 2.2K   |        | 1/10W   |
| R1648   | 1-216-809-11              | METAL CHIP     | 100   | 5%      | 1/10W   |   | R1700    | 1-218-700-11   | METAL CHIP          | 2.2K   |        | 1/10W   |
| R1649   | 1-216-809-11              | METAL CHIP     | 100   | 5%      | 1/10W   |   | R1701    | 1-218-700-11   | METAL CHIP          | 2.2K   |        | 1/10W   |
| R1650   | 1-216-815-11              | METAL CHIP     | 330   | 5%      | 1/10W   |   | R1702    | 1-218-724-11   | METAL CHIP          | 22K    | 0.50%  | 1/10W   |
| R1651   | 1-216-815-11              | METAL CHIP     | 330   | 5%      | 1/10W   |   | R1703    | 1-218-724-11   | METAL CHIP          | 22K    | 0.50%  | 1/10W   |
| R1652   | 1-216-821-11              | METAL CHIP     | 1K    | 5%      | 1/10W   |   | R1704    | 1-218-724-11   | METAL CHIP          | 22K    | 0.50%  | 1/10W   |
| R1653   | 1-216-817-11              | METAL CHIP     | 470   | 5%      | 1/10W   |   | R1705    | 1-218-716-11   | METAL CHIP          | 10K    | 0.50%  | 1/10W   |
| R1654   | 1-216-829-11              | METAL CHIP     | 4.7K  | 5%      | 1/10W   |   | R1706    | 1-218-724-11   | METAL CHIP          | 22K    | 0.50%  | 1/10W   |
| R1655   | 1-218-700-11              | METAL CHIP     | 2.2K  | 0.50%   | 1/10W   |   | R1707    | 1-218-716-11   | METAL CHIP          | 10K    | 0.50%  | 1/10W   |
| D.4050  | 4 040 000 44              | METAL OLUB     | 417   | 0.500/  | 4/40/4/ |   | D.1700   | 4 040 740 44   | METAL OLUB          | 4014   | 0.500/ | 4/4014/ |
| R1656   | 1-218-692-11              | METAL CHIP     | 1K    |         | 1/10W   |   | R1708    | 1-218-716-11   | METAL CHIP          | 10K    |        | 1/10W   |
| R1657   | 1-216-821-11              | METAL CHIP     | 1K    | 5%      | 1/10W   |   | R1709    | 1-218-716-11   | METAL CHIP          | 10K    |        | 1/10W   |
| R1658   | 1-216-837-11              | METAL CHIP     | 22K   | 5%      | 1/10W   |   | R1711    | 1-216-833-11   | METAL CHIP          | 10K    | 5%     | 1/10W   |
| R1659   | 1-216-837-11              | METAL CHIP     | 22K   | 5%      | 1/10W   |   | R1712    | 1-216-833-11   | METAL CHIP          | 10K    | 5%     | 1/10W   |
| R1660   | 1-216-821-11              | METAL CHIP     | 1K    | 5%      | 1/10W   |   | R1713    | 1-216-833-11   | METAL CHIP          | 10K    | 5%     | 1/10W   |
| R1662   | 1-216-823-11              | METAL CHIP     | 1.5K  | 5%      | 1/10W   |   | R1714    | 1-216-833-11   | METAL CHIP          | 10K    | 5%     | 1/10W   |
| R1665   | 1-218-700-11              | METAL CHIP     | 2.2K  |         | 1/10W   |   |          | RESISTOR BRIDG | 3F                  |        |        |         |
| R1666   | 1-218-700-11              | METAL CHIP     | 2.2K  |         | 1/10W   |   |          | REDIOTOR BRIDE | <u> </u>            |        |        |         |
| R1667   | 1-218-700-11              | METAL CHIP     | 2.2K  |         | 1/10W   |   | RB1603   | 1-233-576-11   | RES, CHIP NETWORK   | 100    |        |         |
| R1668   | 1-218-700-11              | METAL CHIP     | 2.2K  |         | 1/10W   |   | RB1604   | 1-233-576-11   | RES, CHIP NETWORK   | 100    |        |         |
| 111000  | 1-210-700-11              | WE TAL OT III  | 2.21  | 0.5070  | 171000  |   | RB1605   | 1-233-576-11   | RES, CHIP NETWORK   | 100    |        |         |
| R1669   | 1-218-724-11              | METAL CHIP     | 22K   | 0.50%   | 1/10W   |   |          | CDVCTAL        |                     |        |        |         |
| R1670   | 1-218-724-11              | METAL CHIP     | 22K   | 0.50%   | 1/10W   |   |          | CRYSTAL        |                     |        |        |         |
| R1671   | 1-218-724-11              | METAL CHIP     | 22K   | 0.50%   | 1/10W   |   | X1601    | 1-795-789-21   | PIEZ0ELECTRIC OSCIL | LATOR  |        |         |
| R1672   | 1-218-724-11              | METAL CHIP     | 22K   | 0.50%   | 1/10W   |   | <b>—</b> |                |                     |        |        |         |
| R1673   | 1-218-716-11              | METAL CHIP     | 10K   | 0.50%   | 1/10W   | Ш | J        |                |                     |        |        |         |
| R1674   | 1-218-716-11              | METAL CHIP     | 10K   | 0.50%   | 1/10W   | * |          | A-1302-178-A   | U BOARD, COMPLE     | TE     |        |         |
| R1675   | 1-218-716-11              | METAL CHIP     | 10K   |         | 1/10W   | " |          | A-1302-170-A   | U BUARD, CUMPLE     | 16     |        |         |
| R1676   | 1-216-821-11              | METAL CHIP     | 1K    | 5%      | 1/10W   |   |          | CADACITOD      |                     |        |        |         |
| R1680   | 1-216-821-11              | SHORT CHIP     | 1IV   | J /0    | 1/ 1000 | 1 |          | CAPACITOR      |                     |        |        |         |
| R1681   | 1-218-716-11              | METAL CHIP     | 10K   | 0.50%   | 1/10W   |   | C2001    | 1-163-021-91   | CERAMIC CHIP        | 0.01µF | 10%    | 50V     |
| 111001  | 1-210-110 <del>-</del> 11 | WIE IAE OF III | IVIN  | 0.50 /0 | 17 1044 |   | C2002    | 1-163-021-91   | CERAMIC CHIP        | 0.01µF | 10%    | 50V     |
| R1682   | 1-218-700-11              | METAL CHIP     | 2.2K  | 0.50%   | 1/10W   | 1 | C2003    | 1-126-941-11   | ELECT               | 470µF  | 20%    | 25V     |
| R1683   | 1-218-700-11              | METAL CHIP     | 2.2K  | 0.50%   | 1/10W   |   | C2004    | 1-128-551-11   | ELECT               | 22µF   | 20%    | 63V     |
| R1684   | 1-218-700-11              | METAL CHIP     | 2.2K  | 0.50%   | 1/10W   | 1 | C2005    | 1-107-826-11   | CERAMIC CHIP        | 0.1µF  | 10%    | 16V     |
| R1685   | 1-218-700-11              | METAL CHIP     | 2.2K  | 0.50%   | 1/10W   |   |          |                |                     |        |        |         |
|         |                           |                |       |         |         | • |          |                |                     |        |        |         |



| REF.NO. | PART NO.     | DESCRIPTION       | VALUE             | S     |            |   | REF.NO.        | PART NO.                     | DESCRIPTION        | VALU             | ES        |            |
|---------|--------------|-------------------|-------------------|-------|------------|---|----------------|------------------------------|--------------------|------------------|-----------|------------|
| C2006   | 1-107-826-11 | CERAMIC CHIP      | 0.1µF             | 10%   | 16V        |   | C2077          | 1-126-933-11                 | ELECT              | 100µF            | 20%       | 16V        |
| C2007   | 1-126-964-11 | ELECT             | 10µF              | 20%   | 50V        |   | C2078          | 1-126-933-11                 | ELECT              | 100µF            | 20%       | 16V        |
| C2008   | 1-126-964-11 | ELECT             | 10μF              | 20%   | 50V        |   | C2079          | 1-126-933-11                 | ELECT              | 100µF            | 20%       | 16V        |
| C2012   | 1-126-964-11 | ELECT             | 10μF              | 20%   | 50V        |   | C2080          | 1-126-933-11                 | ELECT              | 100µF            | 20%       | 16V        |
| C2013   | 1-126-964-11 | ELECT             | 10μF              | 20%   | 50V        |   | C2081          | 1-107-826-11                 | CERAMIC CHIP       | 0.1μF            | 10%       | 16V        |
| 02010   | 1-120-304-11 | LLLOI             | ισμι              | 2070  | 30 V       |   | 02001          | 1-107-020-11                 | OLIVAIVIIO OFIII   | υ. τμι           | 10 /0     | 101        |
| C2014   | 1-126-960-11 | ELECT             | 1µF               | 20%   | 50V        |   | C2083          | 1-126-933-11                 | ELECT              | 100µF            | 20%       | 16V        |
| C2015   | 1-126-960-11 | ELECT             | 1μF               | 20%   | 50V        |   | C2084          | 1-126-933-11                 | ELECT              | 100µF            | 20%       | 16V        |
| C2016   | 1-126-964-11 | ELECT             | 10µF              | 20%   | 50V        |   | C2085          | 1-162-917-11                 | CERAMIC CHIP       | 15pF             | 5%        | 50V        |
| C2017   | 1-126-964-11 | ELECT             | 10µF              | 20%   | 50V        |   | C2087          | 1-164-160-11                 | CERAMIC CHIP       | 20pF             | 5%        | 50V        |
| C2018   | 1-126-960-11 | ELECT             | 1µF               | 20%   | 50V        |   | C2088          | 1-126-964-11                 | ELECT              | 10μF             | 20%       | 50V        |
| C2019   | 1-126-964-11 | ELECT             | 10µF              | 20%   | 50V        |   | C2089          | 1-126-964-11                 | ELECT              | 10µF             | 20%       | 50V        |
| C2020   | 1-126-964-11 | ELECT             | 10μF              | 20%   | 50V        |   | C2090          | 1-164-227-11                 | CERAMIC CHIP       | 0.022µF          | 10%       | 25V        |
| C2021   | 1-126-960-11 | ELECT             | 1μF               | 20%   | 50V        |   | C2091          | 1-107-826-11                 | CERAMIC CHIP       | 0.022μι<br>0.1μF | 10%       | 16V        |
| C2022   | 1-126-960-11 | ELECT             | 1μF               | 20%   | 50V        |   | C2092          | 1-107-826-11                 | CERAMIC CHIP       | 0.1μF            | 10%       | 16V        |
| C2022   | 1-126-964-11 | ELECT             | 10μF              | 20%   | 50V        |   | C2092          | 1-162-964-11                 | CERAMIC CHIP       | 0.001µF          | 10%       | 50V        |
| C2023   |              | ELECT             | 10μF              | 20%   | 50V<br>50V |   | 02094          | 1-102-304-11                 | CENAIVIIC CITIF    | 0.00 ΓμΓ         | 10 /0     | 30 V       |
| 02024   | 1-126-964-11 | ELECT             | ΙυμΓ              | 2070  | 30 V       |   | C2096          | 1-162-917-11                 | CERAMIC CHIP       | 15pF             | 5%        | 50V        |
| C2025   | 1 126 060 11 | ELECT             | 1E                | 20%   | 50V        |   |                |                              |                    |                  | 5%<br>5%  | 50V<br>50V |
| C2025   | 1-126-960-11 | ELECT             | 1µF               |       | 50V<br>50V |   | C2097<br>C2098 | 1-162-917-11                 | CERAMIC CHIP       | 15pF             | 5%<br>10% | 16V        |
| C2026   | 1-126-960-11 | ELECT             | 1μF               | 20%   | 16V        |   |                | 1-107-826-11                 | CERAMIC CHIP       | 0.1µF            |           |            |
| C2028   | 1-126-933-11 | ELECT             | 100μF             | 20%   | 50V        |   | C2099          | 1-107-826-11                 | CERAMIC CHIP       | 0.1μF            | 10%       | 16V        |
| C2032   | 1-126-964-11 | ELECT             | 10μF              | 20%   |            |   | C2101          | 1-126-964-11                 | ELECT              | 10μF             | 20%       | 50V        |
| C2033   | 1-126-960-11 | ELECT             | 1µF               | 20%   | 50V        |   | C2102          | 1-107-826-11                 | CERAMIC CHIP       | 0.1µF            | 10%       | 16V        |
| C2036   | 1-162-970-11 | CERAMIC CHIP      | 0.01µF            | 10%   | 25V        |   | C2102          | 1-107-826-11                 | CERAMIC CHIP       | 0.1μF            | 10%       | 16V        |
| C2037   | 1-165-176-11 | CERAMIC CHIP      | 0.01µi<br>0.047µF | 10%   | 16V        |   | C2103          | 1-107-020-11                 | ELECT              | 0.1μ1<br>10μF    | 20%       | 50V        |
| C2038   | 1-164-816-11 | CERAMIC CHIP      | 220pF             | 2.00% |            |   | C2105          | 1-126-964-11                 | ELECT              | 10μF             | 20%       | 50V        |
| C2040   | 1-104-010-11 | ELECT             | 220μF             | 20%   | 16V        |   | C2105          | 1-126-364-11                 | FILM               | 0.1μF            | 5%        | 50V        |
| C2043   | 1-162-970-11 | CERAMIC CHIP      | 0.01μF            | 10%   | 25V        |   | 02100          | 1-130-103-00                 | I ILIVI            | υ. τμι           | J /0      | 30 V       |
| 02043   | 1-102-370-11 | CLIVAIVIIC CI III | υ.υ τμι           | 10 /0 | 250        |   | C2107          | 1-136-165-00                 | FILM               | 0.1µF            | 5%        | 50V        |
| C2044   | 1-126-933-11 | ELECT             | 100µF             | 20%   | 16V        |   | C2111          | 1-136-964-11                 | ELECT              | 0.1μ1<br>10μF    | 20%       | 50V        |
| C2044   | 1-120-933-11 | CERAMIC CHIP      | 0.01μF            | 10%   | 25V        |   | C2111          | 1-120-304-11                 | CERAMIC CHIP       | 0.1μF            | 10%       | 16V        |
| C2045   | 1-102-970-11 | CERAMIC CHIP      | 0.47µF            | 10%   | 10V        |   | C2112          | 1-107-826-11                 | CERAMIC CHIP       | 0.1μF            | 10%       | 16V        |
| C2040   | 1-125-891-11 | CERAMIC CHIP      | 0.47μΓ<br>0.47μF  | 10%   | 10V        |   | C2114          | 1-107-826-11                 | CERAMIC CHIP       | 0.1μF            | 10%       | 16V        |
|         | 1-125-891-11 | CERAMIC CHIP      | 0.47μF            | 10%   | 10V<br>10V |   | 02114          | 1-107-020-11                 | CERAIVIIC OF IIF   | υ. τμι           | 10 /0     | 100        |
| C2050   | 1-120-091-11 | CEIVAINIC OI III  | υ.+/μι            | 10 /0 | 10 V       |   | C2122          | 1-126-964-11                 | ELECT              | 10μF             | 20%       | 50V        |
| C2052   | 1-162-970-11 | CERAMIC CHIP      | 0.01µF            | 10%   | 25V        |   | C2127          | 1-162-970-11                 | CERAMIC CHIP       | 0.01µF           | 10%       | 25V        |
| C2055   | 1-126-964-11 | ELECT             | 10μF              | 20%   | 50V        |   | C2128          | 1-126-964-11                 | ELECT              | 10μF             | 20%       | 50V        |
| C2056   | 1-125-891-11 | CERAMIC CHIP      | 0.47µF            | 10%   | 10V        |   |                |                              |                    | - 1              |           |            |
| C2060   | 1-126-933-11 | ELECT             | 100µF             | 20%   | 16V        |   |                | CONNECTOR                    |                    |                  |           |            |
| C2061   | 1-126-964-11 | ELECT             | 10µF              | 20%   | 50V        |   |                |                              |                    |                  |           |            |
| 0200.   |              |                   | ٠٠٣.              | _0,0  |            | * | CN2001         | 1-793-923-11                 | CONNECTOR, DIN (PL | LUG)             | 64P       |            |
| C2062   | 1-107-826-11 | CERAMIC CHIP      | 0.1µF             | 10%   | 16V        | * | CN2002         | 1-564-526-11                 | PLUG, CONNECTOR    |                  | 11P       |            |
| C2064   | 1-126-964-11 | ELECT             | 10μF              | 20%   | 50V        |   |                |                              |                    |                  |           |            |
| C2069   | 1-162-970-11 | CERAMIC CHIP      | 0.01µF            | 10%   | 25V        |   |                | <u>DIODE</u>                 |                    |                  |           |            |
| C2070   | 1-126-964-11 | ELECT             | 10μF              | 20%   | 50V        |   | D2004          | 0 740 440 47                 | DIODE              | DD40EC           | 20        |            |
| C2071   | 1-126-933-11 | ELECT             | 100μF             | 20%   | 16V        |   | D2001          | 8-719-110-17<br>9-710-110-17 | DIODE<br>DIODE     | RD10ESI          |           |            |
| 02011   | 5 000 11     |                   | .σομι             | _0 /0 |            |   | D2002          | 8-719-110-17<br>9-710-110-17 |                    | RD10ESI          |           |            |
| C2072   | 1-126-933-11 | ELECT             | 100µF             | 20%   | 16V        |   | D2003          | 8-719-110-17<br>9-710-110-17 | DIODE              | RD10ESI          |           |            |
| C2075   | 1-162-970-11 | CERAMIC CHIP      | 0.01μF            | 10%   | 25V        |   | D2004          | 8-719-110-17<br>9-710-110-17 | DIODE              | RD10ESI          |           |            |
| C2076   | 1-102-370-11 | ELECT             | 0.01μΓ<br>100μF   | 20%   | 16V        |   | D2005          | 8-719-110-17                 | DIODE              | RD10ES           | 02        |            |
| 02010   | . 120 000 11 |                   | ισομι             | 20 /0 | 101        | I |                |                              |                    |                  |           |            |



| <br>REF.NO. | PART NO.      | DESCRIPTION        | VALUES       | REF.NO. | PART NO.     | DESCRIPTION         | VALUES         |
|-------------|---------------|--------------------|--------------|---------|--------------|---------------------|----------------|
| D2006       | 8-719-110-17  | DIODE              | RD10ESB2     | IC2004  | 8-752-080-04 | IC                  | CXA2069Q       |
| D2007       | 8-719-110-17  | DIODE              | RD10ESB2     | IC2007  | 8-752-394-69 | IC                  | CXD2073Q-T4    |
| D2008       | 8-719-110-17  | DIODE              | RD10ESB2     |         |              |                     |                |
| D2009       | 8-719-110-17  | DIODE              | RD10ESB2     |         | <u>JACK</u>  |                     |                |
| D2010       | 8-719-110-17  | DIODE              | RD10ESB2     |         |              |                     |                |
|             |               |                    |              | J2001   | 1-573-967-12 | BLOCK, (S) TERMINAL |                |
| D2011       | 8-719-110-17  | DIODE              | RD10ESB2     | J2002   | 1-764-143-21 | JACK                |                |
| D2012       | 8-719-110-17  | DIODE              | RD10ESB2     | J2003   | 1-764-143-21 | JACK                |                |
| D2013       | 8-719-110-17  | DIODE              | RD10ESB2     | J2004   | 1-750-517-21 | JACK BLOCK, PIN     | 3P             |
| D2014       | 8-719-110-17  | DIODE              | RD10ESB2     | J2005   | 1-815-015-11 | JACK BLOCK, PIN     |                |
| D2015       | 8-719-110-17  | DIODE              | RD10ESB2     |         |              |                     |                |
|             |               |                    |              | J2006   | 1-815-015-11 | JACK BLOCK, PIN     |                |
| D2016       | 8-719-110-17  | DIODE              | RD10ESB2     | J2007   | 1-750-516-21 | JACK BLOCK, PIN     | 2P             |
| D2017       | 8-719-110-17  | DIODE              | RD10ESB2     | J2008   | 1-750-517-21 | JACK BLOCK, PIN     | 3P             |
| D2018       | 8-719-110-17  | DIODE              | RD10ESB2     | J2009   | 1-750-516-21 | JACK BLOCK, PIN     | 2P             |
| D2019       | 8-719-110-17  | DIODE              | RD10ESB2     |         |              |                     |                |
| D2020       | 8-719-110-17  | DIODE              | RD10ESB2     |         | COIL         |                     |                |
|             |               |                    |              | L2001   | 1-469-559-21 | INDUCTOR            | 47µH           |
| D2021       | 8-719-110-17  | DIODE              | RD10ESB2     | L2002   | 1-469-555-21 | INDUCTOR            | 10μΗ           |
| D2022       | 8-719-110-17  | DIODE              | RD10ESB2     |         |              |                     |                |
| D2023       | 8-719-110-17  | DIODE              | RD10ESB2     |         | TRANSISTOR   |                     |                |
| D2024       | 8-719-110-17  | DIODE              | RD10ESB2     |         |              |                     |                |
| D2025       | 8-719-110-17  | DIODE              | RD10ESB2     | Q2001   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
|             |               |                    |              | Q2002   | 8-729-424-02 | TRANSISTOR          | 2SB709A-QRS-TX |
| D2026       | 8-719-110-17  | DIODE              | RD10ESB2     | Q2003   | 8-729-424-02 | TRANSISTOR          | 2SB709A-QRS-TX |
| D2027       | 8-719-110-17  | DIODE              | RD10ESB2     | Q2004   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
| D2029       | 8-719-110-17  | DIODE              | RD10ESB2     | Q2005   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
| D2030       | 8-719-110-17  | DIODE              | RD10ESB2     |         |              |                     |                |
| D2031       | 8-719-110-17  | DIODE              | RD10ESB2     | Q2006   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
|             |               |                    |              | Q2007   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
| D2032       | 8-719-110-17  | DIODE              | RD10ESB2     | Q2008   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
| D2033       | 8-719-991-33  | DIODE              | 1SS133T-77   | Q2009   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
| D2034       | 8-719-991-33  | DIODE              | 1SS133T-77   | Q2010   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
| D2035       | 8-719-110-17  | DIODE              | RD10ESB2     | 00040   | 0.700.404.00 | TDANGIOTOD          | 00D7004 OD0 TV |
| D2039       | 8-719-110-17  | DIODE              | RD10ESB2     | Q2012   | 8-729-424-02 | TRANSISTOR          | 2SB709A-QRS-TX |
| D2042       | 8-719-110-17  | DIODE              | RD10ESB2     | Q2013   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
|             |               |                    |              | Q2015   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
|             | FERRITE BEAD  |                    |              | Q2016   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
| FB2001      | 1-414-760-21  | FERRITE            | 0μH          | Q2017   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
| FB2002      | 1-414-445-11  | FERRITE            | OμH          | Q2020   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
|             |               |                    | '            | Q2021   | 8-729-424-02 | TRANSISTOR          | 2SB709A-QRS-TX |
|             | <u>FILTER</u> |                    |              | Q2022   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
| El 0004     | 1 000 010 01  | EU TED 1 014/ D400 |              | Q2024   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
| FL2001      | 1-239-848-21  | FILTER, LOW PASS   |              | Q2025   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
| FL2002      | 1-239-848-21  | FILTER, LOW PASS   |              |         |              | -                   | •              |
| FL2003      | 1-239-848-21  | FILTER, LOW PASS   |              | Q2026   | 8-729-424-02 | TRANSISTOR          | 2SB709A-QRS-TX |
|             | ıc            |                    |              | Q2027   | 8-729-424-02 | TRANSISTOR          | 2SB709A-QRS-TX |
|             | <u>IC</u>     |                    |              | Q2028   | 8-729-424-02 | TRANSISTOR          | 2SB709A-QRS-TX |
| IC2001      | 6-701-105-01  | IC                 | NJM2750M-TE2 | Q2029   | 8-729-422-27 | TRANSISTOR          | 2SD601A-Q      |
| IC2002      | 8-759-443-11  | IC                 | NJM2283M-TE1 |         |              |                     |                |
| IC2003      | 8-759-100-96  | IC                 | UPC4558G2    |         |              |                     |                |
|             |               |                    |              |         |              |                     |                |



| R2001   1-218-665-11   METAL CHIP   75   0.50%   1/10W   R2046   1-216-818-11   METAL CHIP   560   5   5   5   5   5   5   5   5   5   |                  |
|--|------------------|
| R2001   1-218-665-11   METAL CHIP   75   0.50%   1/10W   R2046   1-216-853-11   METAL CHIP   560   5   5   5   5   5   5   5   5   5   | % 1/10W          |
| R2001   1-218-665-11   METAL CHIP   75   0.50%   1/10W   R2047   1-216-809-11   METAL CHIP   100   5   1/20W   R2047   1-216-809-11   METAL CHIP   100   5   1/20W   R2047   1-216-809-11   METAL CHIP   100   5   1/20W   R2048   1-216-809-11   METAL CHIP   100   5   1/20W   R2049   1-216-809-11   METAL CHIP   1/20W   1/20W   R2048   1-216-809-11   METAL CHIP   1/20W   1/20W   R2049   1-216-809-11   METAL CHIP   1/20W   1/20W   R2049   1-216-809-11   METAL CHIP   1/20W   1/20W   R2049   1-216-809-11   METAL CHIP   1/20W   1/20W   R2050   1-216-809-11   METAL CHIP   1/20W   R2060   1-216-809-11   METAL CHIP     | % 1/10W          |
| R2002   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2049   1-216-809-11   METAL CHIP   4.7K   5   R2004   1-216-865-11   METAL CHIP   75   0.50%   1/10W   R2048   1-216-829-11   METAL CHIP   4.7K   5   R2005   1-216-865-11   METAL CHIP   75   0.50%   1/10W   R2049   1-216-809-11   METAL CHIP   4.7K   5   R2006   1-216-853-11   METAL CHIP   4.7K   5   1/10W   R2050   1-216-809-11   METAL CHIP   4.7K   5   R2007   1-216-853-11   METAL CHIP   4.7K   5   1/10W   R2051   1-216-809-11   METAL CHIP   4.7K   5   R2008   1-216-865-11   METAL CHIP   75   0.50%   1/10W   R2052   1-216-817-11   METAL CHIP   470   5   R2009   1-216-865-11   METAL CHIP   75   0.50%   1/10W   R2053   1-216-817-11   METAL CHIP   470   5   R2010   1-216-865-11   METAL CHIP   75   0.50%   1/10W   R2053   1-216-817-11   METAL CHIP   470   5   R2011   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2055   1-216-809-11   METAL CHIP   100   5   R2011   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2055   1-216-821-11   METAL CHIP   1K   5   R2012   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2056   1-216-809-11   METAL CHIP   1K   5   R2013   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2058   1-216-809-11   METAL CHIP   100   5   R2014   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2058   1-216-817-11   METAL CHIP   10K   0   R2014   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2058   1-216-817-11   METAL CHIP   470   5   R2016   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2060   1-216-817-11   METAL CHIP   470   5   R2016   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2061   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2061   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2061   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2063   1-216-809-11   METAL CHIP   470   5   R2014   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2063   1-216-809-11   METAL CHIP   470   5   R2014   1-216-865-11   METAL CHIP   470K   5%   1/10W   R2063   1-216-809-11   METAL CHIP   470   5   R2014   1-216-865-11   METAL CHIP    | % 1/10W          |
| R2003 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2048 1-216-829-11 METAL CHIP 4.7K 5 0.50% 1/10W R2048 1-216-829-11 METAL CHIP 4.7K 5 0.50% 1/10W R2049 1-216-809-11 METAL CHIP 4.7K 5 0.50% 1/10W R2050 1-216-809-11 METAL CHIP 4.7K 5 1/10W R2051 1-216-809-11 METAL CHIP 4.7C 5 1/10W R2051 1-216-809-11 METAL CHIP 4.7C 5 1/10W R2052 1-216-817-11 METAL CHIP 4.7C 5 1/10W R2053 1-216-817-11 METAL CHIP 4.7C 5 1/10W R2053 1-216-817-11 METAL CHIP 4.7C 5 1/10W R2053 1-216-817-11 METAL CHIP 4.7C 5 1/10W R2051 1-216-809-11 METAL CHIP 4.7C 5 1/10W R2051 1-216-809-11 METAL CHIP 4.7C 5 1/10W R2053 1-216-817-11 METAL CHIP 4.7C 5 1/10W R2053 1-216-809-11 METAL CHIP 4.7C 5 1/10W R2063 1-216-809-11 METAL CHIP 4.7C 5 1/10W R2065 | % 1/10W          |
| R2004 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2005 1-216-865-11 METAL CHIP 75 0.50% 1/10W R2006 1-216-853-11 METAL CHIP 470K 5% 1/10W R2007 1-216-853-11 METAL CHIP 470K 5% 1/10W R2008 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2009 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2009 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2010 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2011 1-216-853-11 METAL CHIP 75 0.50% 1/10W R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-216-853-11 METAL CHIP 470K 5% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-216-853-11 METAL CHIP 470K 5% 1/10W R2021 1-216-853-11 METAL CHIP 470K 5% 1/10W R2022 1-216-853-11 METAL CHIP 470K 5% 1/10W R2023 1-216-809-11 METAL CHIP 470 5 R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-216-853-11 METAL CHIP 470K 5% 1/10W R2021 1-216-853-11 METAL CHIP 470K 5% 1/10W R2021 1-216-853-11 METAL CHIP 470K 5% 1/10W R2021 1-216-853-11 METAL CHIP 470K 5% 1/10W R2022 1-216-853-11 METAL CHIP 470K 5% 1/10W R2023 1-216-853-11 METAL CHIP 470K 5% 1/10W R2024 1-216-853-11 METAL CHIP 470K 5% 1/10W R2025 1-216-853-11 METAL CHIP 470K 5% 1/10W R2026 1-216-817-11 METAL CHIP 470K 5% 1/10W R2026 1-216-817-11 METAL CHIP 470K 5% 1/10W R2026 1-216-817-11 META | % 1/10W          |
| R2006 1-216-853-11 METAL CHIP 470K 5% 1/10W R2051 1-216-809-11 METAL CHIP 470 5 R2009 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2053 1-216-817-11 METAL CHIP 470 5 R2010 1-216-853-11 METAL CHIP 470K 5% 1/10W R2055 1-216-817-11 METAL CHIP 100 5 R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2055 1-216-821-11 METAL CHIP 100 5 R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2056 1-216-821-11 METAL CHIP 100 5 R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2057 1-216-809-11 METAL CHIP 100 5 R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2058 1-216-817-11 METAL CHIP 100 5 R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2058 1-216-817-11 METAL CHIP 10K 0 R2051 1-216-853-11 METAL CHIP 470K 5% 1/10W R2058 1-216-817-11 METAL CHIP 10K 0 R2051 1-216-853-11 METAL CHIP 470K 5% 1/10W R2058 1-216-817-11 METAL CHIP 470K 5% 1/10W R2059 1-216-817-11 METAL CHIP 470 5 R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2059 1-216-817-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-817-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-817-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-817-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-809-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-809-11 METAL CHIP 470 5 R2016 1-216-8 |                  |
| R2006   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2051   1-216-809-11   METAL CHIP   100   5   R2007   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2052   1-216-817-11   METAL CHIP   470   5   R2009   1-218-665-11   METAL CHIP   75   0.50%   1/10W   R2053   1-216-817-11   METAL CHIP   470   5   R2010   1-218-665-11   METAL CHIP   75   0.50%   1/10W   R2011   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2054   1-216-809-11   METAL CHIP   100   5   R2011   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2056   1-216-821-11   METAL CHIP   1K   5   R2012   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2057   1-216-809-11   METAL CHIP   100   5   R2013   1-216-853-11   METAL CHIP   470K   5%   1/10W   R2058   1-216-809-11   METAL CHIP   10K   0   1   1   1   1   1   1   1   1   1   | % 1/10W          |
| R2006 1-216-853-11 METAL CHIP 470K 5% 1/10W R2051 1-216-809-11 METAL CHIP 470 5 8 1/20W R2009 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2010 1-218-665-11 METAL CHIP 470K 5% 1/10W R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-817-11 METAL CHIP 470 5 R2016 1-216-835-11 METAL CHIP 470K 5% 1/10W R2015 1-216-817-11 METAL CHIP 470 5 R2016 1-216-831-11 METAL CHIP 470K 5% 1/10W R2015 1-216-817-11 METAL CHIP 470 5 R2016 1-216-831-11 METAL CHIP 470K 5% 1/10W R2016 1-216-817-11 METAL CHIP 470 5 R2016 1-216-831-11 METAL CHIP 470K 5% 1/10W R2016 1-216-817-11 METAL CHIP 470 5 R2016 1-216-831-11 METAL CHIP 470K 5% 1/10W R2016 1-216-801-11 METAL CHIP 470 5 R |                  |
| R2007 1-216-853-11 METAL CHIP 470K 5% 1/10W R2052 1-216-817-11 METAL CHIP 470 5 R2009 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2010 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2010 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2053 1-216-821-11 METAL CHIP 100 5 R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2056 1-216-821-11 METAL CHIP 100 5 R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2057 1-216-809-11 METAL CHIP 100 5 R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2058 1-218-716-11 METAL CHIP 10K 0 R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2058 1-218-817-11 METAL CHIP 10K 0 R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2059 1-216-817-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2059 1-216-817-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-817-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-817-11 METAL CHIP 470 5 R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-817-11 METAL CHIP 470 5 R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-817-11 METAL CHIP 470 5 R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-817-11 METAL CHIP 470 5 R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-809-11 METAL CHIP 470 5 R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-809-11 METAL CHIP 470 5 R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-809-11 METAL CHIP 470 5 R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-809-11 METAL CHIP 470 5 R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-809-11 METAL CHIP 470 5 R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-809-11 METAL CHIP 470 5 R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-809-11 METAL CHIP 470K 5% 1 |                  |
| R2008 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2009 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2010 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-653-11 METAL CHIP 470K 5% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-218-665-11 METAL CHIP 470K 5% 1/10W R2019 1-218-665-11 METAL CHIP 470K 5% 1/10W R2019 1-218-665-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 470K 5% 1/10W R2021 1-218-665-11  |                  |
| R2009 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2010 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-665-11 METAL CHIP 470K 5% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W  |                  |
| R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2055 1-216-821-11 METAL CHIP 1K 5 R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2057 1-216-809-11 METAL CHIP 1W 5 R2058 1-216-821-11 METAL CHIP 1W 5 R2058 1-216-821-11 METAL CHIP 1W 5 R2058 1-216-809-11 METAL CHIP 1W 6 R2057 1-216-809-11 METAL CHIP 1W 6 R2058 1-218-716-11 METAL CHIP 1W 6 R2058 1-216-817-11 METAL CHIP 1W 6 R2059 1-216-817-11 METAL CHIP 1W 6 R2060 1-216-817-11 METAL CHIP 1W 6 R2060 1-216-817-11 METAL CHIP 1W 6 R2061 1-216-809-11 METAL CHIP 1W  | /0 1/1 <b>/0</b> |
| R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2055 1-216-821-11 METAL CHIP 1K 5 R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2057 1-216-809-11 METAL CHIP 100 5 R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-665-11 METAL CHIP 470K 5% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-809-11 METAL CHIP 470K 5% 1 | % 1/10W          |
| R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2056 1-216-821-11 METAL CHIP 1K 5 R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-665-11 METAL CHIP 470K 5% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-809-11 METAL CHIP 100 5 R2019 1-216-809-11 META |                  |
| R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 470K 5% 1/10W R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2021 1-218-665-11 METAL CHIP 470K 5% 1/10W R2021 1-218-605-11 METAL CHIP 470K 5% 1/10W R2021 1-218-605-11 METAL CHIP 470K 5% 1/10W   |                  |
| R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 470K 5% 1/10W R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2021 1-218-665-11 METAL CHIP 100 5  |                  |
| R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 470K 5% 1/10W R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W   |                  |
| R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2059 1-216-817-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 75 0.50% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-809-11 METAL CHIP 100 5 R2019 | .50% 1/10W       |
| R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-665-11 METAL CHIP 470K 5% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 470K 5% 1/10W R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2062 1-216-809-11 METAL CHIP 100 5 R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2063 1-216-809-11 METAL CHIP 100 5 R2061 1-216-809-11 METAL CHIP 100 5 R2061 1-218-665-11 METAL CHIP 100 5 R2061 1-218-695-11 METAL CHIP 100 5  |                  |
| R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2063 1-216-809-11 METAL CHIP 100 5 R2064 1-216-809-11 METAL CHIP 100 5 R2061 1-218-665-11 METAL CHIP 2.2K 5 R2061 1-218-665-11 METAL CHIP 47K 5  |                  |
| R2017 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2022 1-216-809-11 METAL CHIP 100 5 R2023 1-216-829-11 METAL CHIP 100 5 R2024 1-216-829-11 METAL CHIP 2.2K 5 R2025 1-216-829-11 METAL CHIP 4.7K 5   |                  |
| R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2022 1-216-877-11 METAL CHIP 100 5 R2023 1-216-809-11 METAL CHIP 100 5 R2024 1-216-829-11 METAL CHIP 2.2K 5 R2025 1-216-829-11 METAL CHIP 4.7K 5  |                  |
| R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2065 1-216-809-11 METAL CHIP 100 5 R2065 1-216-825-11 METAL CHIP 2.2K 5 R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W  |                  |
| R2020 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2064 1-216-809-11 METAL CHIP 100 5 R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2065 1-216-829-11 METAL CHIP 2.2K 5 R2021 1-218-665-11 METAL CHIP 4.7K 5  | % 1/10W          |
| R2004 1-216-609-11 METAL CHIP 100 5  R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2066 1-216-829-11 METAL CHIP 2.2K 5  R2021 1-218-665-11 METAL CHIP 4.7K 5   |                  |
| R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2066 1-216-829-11 METAL CHIP 4.7K 5  | % 1/10W          |
| I KZUDD 1-Z 10-0Z9-11 WELAL CHIE 4.7N 3  | % 1/10W          |
|  | % 1/10W          |
| R2022 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2067 1-216-809-11 METAL CHIP 100 5   | % 1/10W          |
| R2023 1-216-853-11 METAL CHIP 470K 5% 1/10W R2068 1-216-825-11 METAL CHIP 2.2K 5   | % 1/10W          |
| R2024 1-216-853-11 METAL CHIP 470K 5% 1/10W  |                  |
| R2025 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2069 1-216-825-11 METAL CHIP 2.2K 5  | % 1/10W          |
| R2070 1-216-825-11 METAL CHIP 2.2K 5   | % 1/10W          |
| R2026 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2071 1-216-809-11 METAL CHIP 100 5   | % 1/10W          |
| R2027 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2072 1-216-829-11 METAL CHIP 4.7K 5  | % 1/10W          |
| R2028 1-218-716-11 METAL CHIP 10K 0.50% 1/10W R2073 1-216-809-11 METAL CHIP 100 5  | % 1/10W          |
| R2029 1-218-716-11 METAL CHIP 10K 0.50% 1/10W  |                  |
| R2030 1-216-809-11 METAL CHIP 100 5% 1/10W R2074 1-216-809-11 METAL CHIP 100 5   | % 1/10W          |
|  | % 1/10W          |
| D2021 1 216 241 11 METAL CHID 47K 5% 1/10M I   | % 1/10W          |
| R2032 1-216-845-11 METAL CHIP 100K 5% 1/10W R2078 1-216-864-11 SHORT CHIP  | /0 1/1 <b>/0</b> |
| D2024 1 216 202 11 METAL CLID 22 59/ 1/10\N/ I   | % 1/10W          |
| R2035 1-216-809-11 METAL CHIP 100 5% 1/10W   | /0 I/ IUVV       |
| R2036 1-216-809-11 METAL CHIP 100 5% 1/10W P2094 4 246 900 44 METAL CHIP 400 5   | 1/40\A/          |
| R2001 1-210-009-11 METAL CHIP 100 5  | % 1/10W          |
| D2027 1 216 200 11 METAL CHID 100 50/ 1/10\N/ I  | % 1/10W          |
| D2039 1 246 900 11 METAL CHID 100 59/ 1/40W R2003 1-210-004-11 SHOKT CHIP  | 1/4              |
| D2020 1 246 933 11 METAL CHID 10V 59/ 1/10\N R2004 1-210-009-11 WETAL CHIP 100 5   | % 1/10W          |
| R2085 1-216-821-11 METAL CHIP 1M 5% 1/10W R2085 1-216-821-11 METAL CHIP 1K 5   | % 1/10W          |
| D2041 1 246 942 11 METAL CHID 56V 50/ 1/40W  |                  |
| R2000 1-210-029-11 WETAL CHIP 4.7N 5   | % 1/10W          |
| D20A2 1 216 226 11 METAL CHID 2 2K 6W 1/10W I  | % 1/10W          |
| I KZU00 1-Z ID-004-11 OFUKT CETE   |                  |
| R2043 1-216-809-11 METAL CHIP 100 5% 1/10W R2089 1-216-809-11 METAL CHIP 100 5   | % 1/10W          |





| REF.NO. | PART NO.     | DESCRIPTION     | VALUE | ES          |         | REF.NO.          | PART NO.          | DESCRIPTION             | VALUE     | ES      |          |
|---------|--------------|-----------------|-------|-------------|---------|------------------|-------------------|-------------------------|-----------|---------|----------|
| R2090   | 1-216-821-11 | METAL CHIP      | 1K    | 5%          | 1/10W   | R2159            | 1-216-832-11      | METAL CHIP              | 8.2K      | 5%      | 1/10W    |
| R2092   | 1-216-829-11 | METAL CHIP      | 4.7K  | 5%          | 1/10W   | R2164            | 1-218-710-11      | METAL CHIP              | 5.6K      |         | 1/10W    |
| R2094   | 1-216-864-11 | SHORT CHIP      |       | -,-         |         | R2166            | 1-216-818-11      | METAL CHIP              | 560       | 5%      | 1/10W    |
| R2096   | 1-216-809-11 | METAL CHIP      | 100   | 5%          | 1/10W   | R2169            | 1-216-842-11      | METAL CHIP              | 56K       | 5%      | 1/10W    |
| R2097   | 1-216-809-11 | METAL CHIP      | 100   | 5%          | 1/10W   | R2173            | 1-216-818-11      | METAL CHIP              | 560       | 5%      | 1/10W    |
| 112001  | 1 210 000 11 | ME II IE OI III | 100   | 070         |         | 1,2110           | 121001011         | III II II OI III        | 000       | 070     |          |
| R2098   | 1-216-825-11 | METAL CHIP      | 2.2K  | 5%          | 1/10W   | R2174            | 1-218-686-11      | METAL CHIP              | 560       | 0.50%   | 1/10W    |
| R2099   | 1-216-809-11 | METAL CHIP      | 100   | 5%          | 1/10W   | R2175            | 1-216-817-11      | METAL CHIP              | 470       | 5%      | 1/10W    |
| R2100   | 1-216-825-11 | METAL CHIP      | 2.2K  | 5%          | 1/10W   | R2176            | 1-216-825-11      | METAL CHIP              | 2.2K      | 5%      | 1/10W    |
| R2103   | 1-216-809-11 | METAL CHIP      | 100   | 5%          | 1/10W   | R2177            | 1-216-809-11      | METAL CHIP              | 100       | 5%      | 1/10W    |
| R2104   | 1-216-809-11 | METAL CHIP      | 100   | 5%          | 1/10W   | R2178            | 1-218-676-11      | METAL CHIP              | 220       | 0.50%   | 1/10W    |
|         |              |                 |       |             |         |                  |                   |                         |           |         |          |
| R2105   | 1-216-809-11 | METAL CHIP      | 100   | 5%          | 1/10W   | R2182            | 1-216-864-11      | SHORT CHIP              |           |         |          |
| R2107   | 1-216-807-11 | METAL CHIP      | 68    | 5%          | 1/10W   | R2183            | 1-216-813-11      | METAL CHIP              | 220       | 5%      | 1/10W    |
| R2108   | 1-216-841-11 | METAL CHIP      | 47K   | 5%          | 1/10W   | R2184            | 1-218-704-11      | METAL CHIP              | 3.3K      | 0.50%   | 1/10W    |
| R2109   | 1-216-809-11 | METAL CHIP      | 100   | 5%          | 1/10W   | R2185            | 1-218-684-11      | METAL CHIP              | 470       | 0.50%   | 1/10W    |
| R2110   | 1-216-809-11 | METAL CHIP      | 100   | 5%          | 1/10W   | R2186            | 1-218-688-11      | METAL CHIP              | 680       | 0.50%   | 1/10W    |
|         |              |                 |       |             |         |                  |                   |                         |           |         |          |
| R2111   | 1-216-825-11 | METAL CHIP      | 2.2K  | 5%          | 1/10W   | R2187            | 1-216-864-11      | SHORT CHIP              |           |         |          |
| R2113   | 1-216-821-11 | METAL CHIP      | 1K    | 5%          | 1/10W   | R2193            | 1-216-809-11      | METAL CHIP              | 100       | 5%      | 1/10W    |
| R2114   | 1-216-845-11 | METAL CHIP      | 100K  | 5%          | 1/10W   | R2194            | 1-216-817-11      | METAL CHIP              | 470       | 5%      | 1/10W    |
| R2115   | 1-216-845-11 | METAL CHIP      | 100K  | 5%          | 1/10W   | R2195            | 1-216-817-11      | METAL CHIP              | 470       | 5%      | 1/10W    |
| R2116   | 1-216-832-11 | METAL CHIP      | 8.2K  | 5%          | 1/10W   | R2196            | 1-216-817-11      | METAL CHIP              | 470       | 5%      | 1/10W    |
|         |              |                 |       |             |         |                  |                   |                         |           |         |          |
| R2118   | 1-216-821-11 | METAL CHIP      | 1K    | 5%          | 1/10W   | R2197            | 1-216-817-11      | METAL CHIP              | 470       | 5%      | 1/10W    |
| R2121   | 1-216-809-11 | METAL CHIP      | 100   | 5%          | 1/10W   | R2198            | 1-216-853-11      | METAL CHIP              | 470K      | 5%      | 1/10W    |
| R2122   | 1-216-821-11 | METAL CHIP      | 1K    | 5%          | 1/10W   | R2199            | 1-216-853-11      | METAL CHIP              | 470K      | 5%      | 1/10W    |
| R2123   | 1-218-684-11 | METAL CHIP      | 470   | 0.50%       | 1/10W   |                  |                   |                         |           |         |          |
| R2124   | 1-216-821-11 | METAL CHIP      | 1K    | 5%          | 1/10W   | $  \mathbf{B}  $ |                   |                         |           |         |          |
| D2425   | 1 210 702 11 | METAL CHID      | 2.71/ | 0.500/      | 1/10W   | Due to th        | e complexity of   | this board, performir   | na compor | ent lev | el field |
| R2125   | 1-218-702-11 | METAL CHIP      | 2.7K  |             |         |                  |                   | ded. If service is requ |           |         |          |
| R2130   | 1-216-805-11 | METAL CHIP      | 47    | 5%          | 1/10W   |                  |                   | red repair method.      | ,         | ,,,,,   |          |
| R2131   | 1-216-825-11 | METAL CHIP      | 2.2K  | 5%          | 1/10W   |                  | rovided for refer |                         |           |         |          |
| R2132   | 1-216-833-11 | METAL CHIP      | 10K   | 5%          | 1/10W   |                  |                   | •                       |           |         |          |
| R2133   | 1-218-674-11 | METAL CHIP      | 180   | 0.50%       | 1/10W   | *                | A-1302-209-A      | B BOARD, COMPL          | ETE       |         |          |
| D0400   | 4 040 040 44 | METAL OLUD      | 200   | <b>5</b> 0/ | 4/40\4/ |                  | 4-382-854-11      | SCREW (M3X10), P, S'    | W (+)     |         |          |
| R2136   | 1-216-816-11 | METAL CHIP      | 390   | 5%          | 1/10W   | *                | 7-651-000-50      | GREASE, SILICON (G-     | 746) 200G |         |          |
| R2137   | 1-218-700-11 | METAL CHIP      | 2.2K  |             | 1/10W   |                  |                   |                         |           |         |          |
| R2138   | 1-216-809-11 | METAL CHIP      | 100   | 5%          | 1/10W   |                  | <b>CAPACITOR</b>  |                         |           |         |          |
| R2142   | 1-216-815-11 | METAL CHIP      | 330   | 5%          | 1/10W   | 00004            | 4 400 450 04      | ELECT OLUB              | 4         | 000/    | 0.01/    |
| R2147   | 1-216-814-11 | METAL CHIP      | 270   | 5%          | 1/10W   | C3001            | 1-128-453-21      | ELECT CHIP              | 47μF      | 20%     | 6.3V     |
| D0440   | 4 040 740 44 | METAL OLUD      | E 01/ | 0.500/      | 4/40\4/ | C3002            | 1-128-453-21      | ELECT CHIP              | 47μF      | 20%     | 6.3V     |
| R2148   | 1-218-710-11 | METAL CHIP      | 5.6K  |             | 1/10W   | C3003            | 1-128-453-21      | ELECT CHIP              | 47μF      | 20%     | 6.3V     |
| R2149   | 1-216-817-11 | METAL CHIP      | 470   | 5%          | 1/10W   | C3035            | 1-162-970-11      | CERAMIC CHIP            | 0.01µF    | 10%     | 25V      |
| R2150   | 1-216-821-11 | METAL CHIP      | 1K    | 5%          | 1/10W   | C3044            | 1-164-156-11      | CERAMIC CHIP            | 0.1µF     |         | 25V      |
| R2151   | 1-218-698-11 | METAL CHIP      | 1.8K  |             | 1/10W   |                  |                   | 0=5.440 5::::=          |           |         |          |
| R2152   | 1-218-694-11 | METAL CHIP      | 1.2K  | 0.50%       | 1/10W   | C3089            | 1-162-970-11      | CERAMIC CHIP            | 0.01µF    | 10%     | 25V      |
| B4:=-   |              |                 | 414   | -0.         |         | C3090            | 1-126-204-11      | ELECT CHIP              | 47µF      | 20%     | 16V      |
| R2153   | 1-216-821-11 | METAL CHIP      | 1K    | 5%          | 1/10W   | C3096            | 1-162-970-11      | CERAMIC CHIP            | 0.01µF    | 10%     | 25V      |
| R2155   | 1-216-837-11 | METAL CHIP      | 22K   | 5%          | 1/10W   | C3101            | 1-162-925-11      | CERAMIC CHIP            | 68pF      | 5%      | 50V      |
| R2156   | 1-216-841-11 | METAL CHIP      | 47K   | 5%          | 1/10W   | C3102            | 1-162-925-11      | CERAMIC CHIP            | 68pF      | 5%      | 50V      |
| R2157   | 1-216-825-11 | METAL CHIP      | 2.2K  | 5%          | 1/10W   |                  |                   |                         |           |         |          |



| REF.NO. | PART NO.     | DESCRIPTION     | VALUE        | S    |      | REF.NO. | PART NO.     | DESCRIPTION      | VALUE  | ES .   |      |
|---------|--------------|-----------------|--------------|------|------|---------|--------------|------------------|--------|--------|------|
| C3301   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3347   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3302   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3348   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3303   | 1-126-206-11 | ELECT CHIP      | 100µF        | 20%  | 6.3V | C3349   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3304   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3350   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3305   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3351   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3306   | 1-126-204-11 | ELECT CHIP      | 47µF         | 20%  | 16V  | C3352   | 1-124-779-00 | ELECT CHIP       | 10µF   | 20%    | 16V  |
| C3307   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3353   | 1-126-204-11 | ELECT CHIP       | 47μF   | 20%    | 16V  |
| C3308   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3354   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3309   | 1-126-206-11 | ELECT CHIP      | 100µF        | 20%  | 6.3V | C3355   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3310   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3356   | 1-126-204-11 | ELECT CHIP       | 47μF   | 20%    | 16V  |
| C3311   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3357   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3312   | 1-126-206-11 | ELECT CHIP      | 100µF        | 20%  | 6.3V | C3358   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3313   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3359   | 1-126-204-11 | ELECT CHIP       | 47μF   | 20%    | 16V  |
| C3314   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3360   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3315   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3361   | 1-162-970-11 | CERAMIC CHIP     | 0.01µF | 10%    | 25V  |
| C3316   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3362   | 1-127-760-11 | CERAMIC CHIP     | 4.7µF  | 10%    | 6.3V |
| C3317   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3363   | 1-126-204-11 | ELECT CHIP       | 47µF   | 20%    | 16V  |
| C3318   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3364   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  | 2070   | 25V  |
| C3319   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3365   | 1-164-156-11 | CERAMIC CHIP     | 0.1μF  |        | 25V  |
| C3320   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3366   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3321   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3367   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3322   | 1-126-204-11 | ELECT CHIP      | 47μF         | 20%  | 16V  | C3368   | 1-164-156-11 | CERAMIC CHIP     | 0.1μF  |        | 25V  |
| C3323   | 1-124-779-00 | ELECT CHIP      | 47μ1<br>10μF | 20%  | 16V  | C3369   | 1-164-156-11 | CERAMIC CHIP     | 0.1μF  |        | 25V  |
| C3324   | 1-164-156-11 | CERAMIC CHIP    | 0.1μF        | 2070 | 25V  | C3370   | 1-164-156-11 | CERAMIC CHIP     | 0.1μF  |        | 25V  |
| C3325   | 1-164-156-11 | CERAMIC CHIP    | 0.1μF        |      | 25V  | C3371   | 1-164-156-11 | CERAMIC CHIP     | 0.1μF  |        | 25V  |
| 00020   | 1 104 100 11 | OLIV WIIO OTIII | 0.1μ1        |      | 201  | 00071   | 1 104 100 11 | OLIV WIIIO OTIII | υ. τμι |        | 201  |
| C3326   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3372   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3327   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3373   | 1-162-915-11 | CERAMIC CHIP     | 10pF   | 0.50pF | 50V  |
| C3328   | 1-124-779-00 | ELECT CHIP      | 10µF         | 20%  | 16V  | C3374   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3329   | 1-107-826-11 | CERAMIC CHIP    | 0.1µF        | 10%  | 16V  | C3375   | 1-127-760-11 | CERAMIC CHIP     | 4.7µF  | 10%    | 6.3V |
| C3331   | 1-126-204-11 | ELECT CHIP      | 47μF         | 20%  | 16V  | C3376   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3332   | 1-124-779-00 | ELECT CHIP      | 10µF         | 20%  | 16V  | C3377   | 1-162-970-11 | CERAMIC CHIP     | 0.01µF | 10%    | 25V  |
| C3333   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3378   | 1-126-204-11 | ELECT CHIP       | 47µF   | 20%    | 16V  |
| C3334   | 1-107-826-11 | CERAMIC CHIP    | 0.1µF        | 10%  | 16V  | C3379   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3335   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3401   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3336   | 1-124-779-00 | ELECT CHIP      | 10µF         | 20%  | 16V  | C3402   | 1-124-779-00 | ELECT CHIP       | 10µF   | 20%    | 16V  |
| C3337   | 1-107-826-11 | CERAMIC CHIP    | 0.1µF        | 10%  | 16V  | C3403   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
| C3338   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3404   | 1-126-206-11 | ELECT CHIP       | 100µF  | 20%    | 6.3V |
| C3339   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3405   | 1-126-206-11 | ELECT CHIP       | 100µF  | 20%    | 6.3V |
| C3340   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3406   | 1-107-826-11 | CERAMIC CHIP     | 0.1µF  | 10%    | 16V  |
| C3341   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3407   | 1-107-826-11 | CERAMIC CHIP     | 0.1µF  | 10%    | 16V  |
| C3343   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        |      | 25V  | C3408   | 1-126-206-11 | ELECT CHIP       | 100µF  | 20%    | 6.3V |
| C3344   | 1-164-156-11 | CERAMIC CHIP    | 0.1μF        |      | 25V  | C3409   | 1-164-156-11 | CERAMIC CHIP     | 0.1μF  | / •    | 25V  |
| C3345   | 1-126-204-11 | ELECT CHIP      | 47μF         | 20%  | 16V  | C3410   | 1-164-156-11 | CERAMIC CHIP     | 0.1μF  |        | 25V  |
| C3346   | 1-164-156-11 | CERAMIC CHIP    | 0.1µF        | /    | 25V  | C3411   | 1-164-156-11 | CERAMIC CHIP     | 0.1µF  |        | 25V  |
|         |              |                 |              |      |      | •       |              |                  |        |        |      |



| REF.NO. | PART NO.     | DESCRIPTION  | VALUE         | S           |      |   | REF.NO.        | PART NO.                     | DESCRIPTION               | VALU            | ES    |            |
|---------|--------------|--------------|---------------|-------------|------|---|----------------|------------------------------|---------------------------|-----------------|-------|------------|
| C3412   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   | C3458          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           |       | 25V        |
| C3413   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   | C3460          | 1-162-923-11                 | CERAMIC CHIP              | 47pF            | 5%    | 50V        |
| C3414   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   | C3462          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           |       | 25V        |
| C3415   | 1-124-779-00 | ELECT CHIP   | 10µF          | 20%         | 16V  |   | C3463          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           |       | 25V        |
| C3416   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   | C3464          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           |       | 25V        |
| C3417   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   | C3465          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           |       | 25V        |
| C3418   | 1-107-826-11 | CERAMIC CHIP | 0.1µF         | 10%         | 16V  |   | C3466          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           |       | 25V        |
| C3419   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   | C3467          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           |       | 25V        |
| C3420   | 1-124-779-00 | ELECT CHIP   | 10μF          | 20%         | 16V  |   | C3468          | 1-126-206-11                 | ELECT CHIP                | 100µF           | 20%   | 6.3V       |
| C3421   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   | C3469          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           |       | 25V        |
| C3422   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   | C3470          | 1-126-206-11                 | ELECT CHIP                | 100µF           | 20%   | 6.3V       |
| C3423   | 1-162-970-11 | CERAMIC CHIP | 0.01µF        | 10%         | 25V  |   | C3473          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           |       | 25V        |
| C3424   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   | C3474          | 1-124-779-00                 | ELECT CHIP                | 10µF            | 20%   | 16V        |
| C3425   | 1-125-891-11 | CERAMIC CHIP | 0.47µF        | 10%         | 10V  |   | C3475          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           |       | 25V        |
| C3426   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   | C3476          | 1-124-779-00                 | ELECT CHIP                | 10µF            | 20%   | 16V        |
| C3428   | 1-107-826-11 | CERAMIC CHIP | 0.1µF         | 10%         | 16V  |   | C3477          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           |       | 25V        |
| C3429   | 1-124-779-00 | ELECT CHIP   | 10μF          | 20%         | 16V  |   | C3478          | 1-126-204-11                 | ELECT CHIP                | 47μF            | 20%   | 16V        |
| C3430   | 1-164-156-11 | CERAMIC CHIP | 0.1μF         | 2070        | 25V  |   | C3479          | 1-124-779-00                 | ELECT CHIP                | 10μF            | 20%   | 16V        |
| C3431   | 1-126-204-11 | ELECT CHIP   | 47μF          | 20%         | 16V  |   | C3480          | 1-164-156-11                 | CERAMIC CHIP              | 0.1μF           | 2070  | 25V        |
| C3432   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         | 2070        | 25V  |   | C3481          | 1-117-681-11                 | ELECT CHIP                | 100µF           | 20%   | 16V        |
| C3433   | 1-162-970-11 | CERAMIC CHIP | 0.01µF        | 10%         | 25V  |   | C3482          | 1-117-681-11                 | ELECT CHIP                | 100µF           | 20%   | 16V        |
| C3434   | 1-102-370-11 | ELECT CHIP   | 47μF          | 20%         | 16V  |   | C3483          | 1-117-681-11                 | ELECT CHIP                | 100μF           | 20%   | 16V        |
| C3435   | 1-164-156-11 | CERAMIC CHIP | 47μ1<br>0.1μF | 2070        | 25V  |   | C3484          | 1-117-301-11                 | CERAMIC CHIP              | 1μF             | 10%   | 6.3V       |
| C3436   | 1-107-826-11 | CERAMIC CHIP | 0.1μF         | 10%         | 16V  |   | C3485          | 1-164-156-11                 | CERAMIC CHIP              | 0.1μF           | 10 /0 | 25V        |
| C3437   | 1-126-204-11 | ELECT CHIP   | 47μF          | 20%         | 16V  |   | C3486          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           |       | 25V        |
| 00400   | 4 404 450 44 | OFDAMIO OLUD | 0.4           |             | 05)/ |   | 00407          | 4 404 450 44                 | OEDAMIO OLUD              | 0.4             |       | 05)/       |
| C3438   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   | C3487          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           | 000/  | 25V        |
| C3439   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         | <b>F</b> 0/ | 25V  |   | C3488          | 1-124-779-00                 | ELECT CHIP                | 10µF            | 20%   | 16V        |
| C3440   | 1-162-916-11 | CERAMIC CHIP | 12pF          | 5%          | 50V  |   | C3489          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           | 000/  | 25V        |
| C3441   | 1-162-916-11 | CERAMIC CHIP | 12pF          | 5%          | 50V  |   | C3490          | 1-124-779-00                 | ELECT CHIP                | 10µF            | 20%   | 16V        |
| C3442   | 1-124-779-00 | ELECT CHIP   | 10μF          | 20%         | 16V  |   | C3491          | 1-126-204-11                 | ELECT CHIP                | 47µF            | 20%   | 16V        |
| C3443   | 1-162-970-11 | CERAMIC CHIP | 0.01µF        | 10%         | 25V  |   | C3492          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           |       | 25V        |
| C3444   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   | C3493          | 1-126-204-11                 | ELECT CHIP                | 47µF            | 20%   | 16V        |
| C3445   | 1-126-204-11 | ELECT CHIP   | 47μF          | 20%         | 16V  |   | C3494          | 1-164-156-11                 | CERAMIC CHIP              | 0.1µF           |       | 25V        |
| C3446   | 1-107-826-11 | CERAMIC CHIP | 0.1µF         | 10%         | 16V  |   | C3495          | 1-124-779-00                 | ELECT CHIP                | 10µF            | 20%   | 16V        |
| C3447   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   | C3496<br>C3499 | 1-164-156-11<br>1-162-970-11 | CERAMIC CHIP CERAMIC CHIP | 0.1µF<br>0.01µF | 10%   | 25V<br>25V |
| C3448   | 1-162-970-11 | CERAMIC CHIP | 0.01µF        | 10%         | 25V  |   | 33 100         |                              | OE. U MINO OF III         | υ.υ ιμι         | 10/0  |            |
| C3449   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   |                | CONNECTOR                    |                           |                 |       |            |
| C3450   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  | * | CNICOCO        | 1 700 000 44                 | CONNECTOR DIVE            | OLLIC)          | CAD   |            |
| C3452   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  | ^ | CN3203         | 1-793-923-11                 | CONNECTOR, DIN (F         | LUG)            | 64P   |            |
| C3453   | 1-124-779-00 | ELECT CHIP   | 10μF          | 20%         | 16V  |   |                | DIODE                        |                           |                 |       |            |
| C3454   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   | D3089          | 8-719-062-51                 | DIODE                     | 1PS226-         | 115   |            |
| C3455   | 1-124-779-00 | ELECT CHIP   | 10µF          | 20%         | 16V  |   | D3090          | 8-719-062-51                 | DIODE                     | 1PS226-         |       |            |
| C3456   | 1-164-156-11 | CERAMIC CHIP | 0.1µF         |             | 25V  |   | D3099          | 8-719-988-61                 | DIODE                     | 1SS355T         |       |            |
| C3457   | 1-124-779-00 | ELECT CHIP   | 10μF          | 20%         | 16V  |   | D3301          | 8-719-083-58                 | DIODE                     | UDZSTE          |       |            |
|         |              |              |               |             |      |   |                |                              |                           |                 |       |            |



| DIACE   DIAC | REF.NO. | PART NO.      | DESCRIPTION         | VALUES                 | REF.NO. | PART NO.                   | DESCRIPTION | VALUES           |
|--|---------|---------------|---------------------|------------------------|---------|----------------------------|-------------|------------------|
| Date   Part   Date   Part   Date    | D3302   | 8-719-069-60  | DIODE               | UDZSTE-179.1B          |         | <u>COIL</u>                |             |                  |
|  | D3401   | 8-719-914-43  | DIODE               | DAN202K                | 1,0004  | 4 040 005 04               | OLIOPT OLUP |                  |
| FERRITE BEAD   | D3402   | 8-719-914-44  | DIODE               | DAP202K                |         |                            |             | 0.11             |
| FERRITE BEAD   | D3403   | 8-719-978-33  | DIODE               | DTZ-TT11-6.8B          |         |                            |             | •                |
| 1,3302   |         |               |                     |                        |         |                            |             | •                |
| EB3302   1-500-451-11   FERRITE   QJH  |         | FERRITE BEAD  |                     |                        |         |                            |             | •                |
| FB3303   |         |               |                     |                        | L3302   | 1-469-555-21               | INDUCTOR    | 10μH             |
| FB3401   |         |               |                     | · ·                    |         |                            |             |                  |
| FB3402   |         |               |                     | · ·                    |         |                            |             | 15               |
| FILTER   |         |               |                     | · ·                    |         |                            |             | •                |
| Filter   | FB3402  | 1-414-235-22  | FERRITE             | 0μΗ                    |         |                            |             | •                |
| F13003   |         |               |                     |                        |         |                            |             | •                |
| FL3301   1-234-582-2  FLTER_LOW PASS   L3301   1-489-561-21   INDUCTOR   100µH   |         | <u>FILTER</u> |                     |                        | L3307   | 1-469-555-21               | INDUCTOR    | 10μH             |
| FLIST   1294-5672   FLITER LOW PASS   L3301   1-469-561-21   INDUCTOR   100µH  | FL3003  | 1-781-924-21  | FILTER, LOW PASS (S | SMD)                   | 1 3308  | 1_460_561_21               | INDLICTOR   | 100uH            |
| FL3302   1-234-567-2f   FLTER_LOW PASS   L3310   1-469-561-2f   INDUCTOR   100µH   | FL3301  | 1-234-558-21  | FILTER, LOW PASS    |                        |         |                            |             | •                |
| FL3303   1-294-567-21   FILTER, LOW PASS   FILTR, LOW PASS   FILT, LOW PASS   FILTR, LO | FL3302  | 1-234-557-21  | FILTER, LOW PASS    |                        |         |                            |             | •                |
| C3009   6-700-149-01   IC   M24C04-MN6T(A)   L3402   L3412   L3403   L469-565-21   INDUCTOR   10µH   | FL3303  | 1-234-557-21  | FILTER, LOW PASS    |                        |         |                            |             | •                |
| IC   | FL3401  | 1-781-923-21  | FILTER, LOW PASS (S | SMD)                   |         |                            |             | •                |
| C3309  |         |               |                     |                        | L3312   | 1-409-000-21               | INDUCTOR    | Ιυμπ             |
| C3089 6-700-149-01   C   M24C04-MN6T(A)   L3402 1-412-052-21   INDUCTOR 1   I/H  |         | <u>IC</u>     |                     |                        | L3401   | 1-412-058-11               | INDUCTOR    | 10µH             |
| C3309  | IC3089  | 6-700-149-01  | IC.                 | M24C04-MN6T(A)         |         |                            |             | •                |
| C3301   8-759-349-11   C   |         |               |                     | ` '                    | L3403   |                            | INDUCTOR    | •                |
| C3301 8-759-663-74   C   |         |               |                     | •                      |         |                            |             | •                |
| IC3302 8-759-832-05   IC   |         |               |                     |                        |         |                            |             | •                |
| C3303 8-752-409-78   IC   CXD2095AQ   L3407 1-469-555-21   INDUCTOR   10µH     IC3304 8-759-447-90   IC   TLC5733AIPM   L3407 1-469-555-21   INDUCTOR   10µH     IC3305 8-759-669-75   IC   TLC2932IPWR   L3410 1-412-055-11   INDUCTOR   10µH     IC3306 8-759-669-75   IC   TLC2933IPWR-12   L3411 1-412-055-11   INDUCTOR   10µH     IC3401 6-700-394-01   IC   BA25BC0FP-E2     IC3402 6-703-430-01   IC   BA25BC0FP-E2     IC3402 6-703-430-01   IC   MT48LC2M32B2TG-6-Y94W   L3413 1-469-555-21   INDUCTOR   10µH     IC3402 8-759-660-75   IC   FST9120NL   L3414 1-469-555-21   INDUCTOR   10µH     IC3404 8-759-669-75   IC   TLC2932IPWR   L3416 1-469-555-21   INDUCTOR   10µH     IC3405 8-759-485-79   IC   TC7SET08FU[TE85L)     IC3406 8-759-485-79   IC   TC7SET08FU[TE85L)     IC3407 8-759-485-79   IC   TC7SET08FU[TE85L)   CXD9509AQ   Q3006 8-729-120-28   TRANSISTOR   2SC1623-L5L6     IC3408 8-759-672-57   IC   CXD9509AQ   Q3007 8-729-120-28   TRANSISTOR   2SC1623-L5L6     IC3409 8-759-672-57   IC   CXD2309Q   Q3009 8-729-026-49   TRANSISTOR   2SA1037AK-T146-R     IC3411 8-759-082-58   IC   TC7W08FU   Q3001 8-729-026-49   TRANSISTOR   2SC1623-L5L6     IC3412 8-759-682-58   IC   TC7W08FU   Q3001 8-729-120-28   TRANSISTOR   2SC1623-L5L6     IC3413 8-759-585-97   IC   SN74LV4053ANSR   Q3302 8-729-120-28   TRANSISTOR   2SC1623-L5L6     IC3414 8-759-548-56   IC   MIS2055FP   Q3003 8-729-120-28   TRANSISTOR   2SC1623-L5L6     IC3415 8-759-548-56   IC   MIS2055FP   Q3003 8-729-120-28   TRANSISTOR   2SC1623-L5L6     IC3416 8-759-548-56   IC   MIS2055FP   Q3003 8-729-120-28   TRANSISTOR   2SC1623-L5L6     IC3416 8-759-548-56   IC   MIS2055FP   Q3003 8-729-120-28   TRANSISTOR   2SC1623 |         |               |                     |                        |         |                            |             | ·r               |
| IC3303 8-752-409-78   IC   | 100002  | 0-700-002-00  | 10                  | DATODOUT -LZ           | L3406   | 1-469-555-21               | INDUCTOR    | 10uH             |
| 103304 8-759-447-90   C   TLC5733AIPM   L3409 1-469-555-21   INDUCTOR 10µH     103305 8-759-669-75   IC   TLC2932IPWR   L3410 1-412-058-11   INDUCTOR 10µH     103306 8-759-669-78   IC   TLC2933IPWR-12   L3411 1-412-058-11   INDUCTOR 10µH     103401 6-700-394-01   IC   BA25BC0FP-E2  | IC3303  | 8_752_400_78  | IC                  | CXD2005AO              | L3407   | 1-469-555-21               |             | •                |
| IC3305   |         |               |                     |                        |         |                            |             | •                |
| IC3306   |         |               |                     |                        |         | 1-412-058-11               |             | •                |
| C3401   6-700-394-01   C   BA25BC0FP-E2  |         |               |                     |                        | L3411   | 1-412-058-11               |             | · ·              |
| C3402 6-703-430-01   C   |         |               |                     |                        |         |                            |             | 1                |
| IC3402 6-703-430-01   IC   MT48LC2M32B2TG-6-Y94W   L3413 1-469-555-21   INDUCTOR 10µH     IC3403 8-759-460-29   IC   PST9120NL   L3414 1-469-555-21   INDUCTOR 10µH     IC3404 8-759-669-75   IC   TLC2932IPWR   L3416 1-469-555-21   INDUCTOR 10µH     IC3405 8-759-485-79   IC   TC7SET08FU(TE85L)     IC3406 8-759-485-79   IC   TC7SET08FU(TE85L)     IC3407 8-759-485-79   IC   TC7SET08FU(TE85L)     IC3408 8-759-485-79   IC   TC7SET08FU(TE85L)     IC3409 8-759-833-72   IC   CXD9509AQ   Q3006 8-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3410 8-759-082-57   IC   CXD2309Q   Q3090 8-729-026-49   TRANSISTOR 2SA1037AK-T146-R     IC3411 8-759-082-58   IC   TC7W04FU   Q3091 1-801-806-11   TRANSISTOR 2SC1623-L5L6     IC3412 8-759-082-58   IC   TC7W08FU   Q3301 8-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3413 8-759-595-97   IC   SN74LV4053ANSR   Q3302 8-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3414 8-759-548-56   IC   M52055FP   Q3303 8-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3414 8-759-548-56   IC   M52055FP   Q3303 8-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3415 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3416 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3417 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3418 R-759-548-56   IC   M52055FP   Q3303 8-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3414 R-759-548-56   IC   M52055FP   Q3303 8-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3416 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3417 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3418 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3419 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3410 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3416 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3417 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3418 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3419 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3410 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3416 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3417 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC3418 R-729-120-28   TRANSISTOR 2SC1623-L5L6     IC341  | 100401  | 0 700 004 01  | 10                  | B/(20B0011 L2          | L3412   | 1-469-555-21               | INDUCTOR    | 10µH             |
| C3403  | IC3402  | 6-703-430-01  | IC.                 | MT48I C2M32R2TG-6-Y94W |         |                            |             | •                |
| C3404   8-759-669-75   C   TLC2932IPWR   L3416   1-469-555-21   INDUCTOR   10µH  |         |               |                     |                        |         | 1-469-555-21               |             | •                |
| IC3405   |         |               |                     |                        |         |                            |             | •                |
| IC3406   |         |               |                     |                        |         |                            |             | ·r               |
| IC3407   |         |               |                     |                        |         | TRANSISTOR                 |             |                  |
| C3407   8-759-485-79   IC   TC7SET08FU(TE85L)   C3408   8-759-672-57   IC   CXD9509AQ   CXD9509AQ   CXD9509AQ   CXD9509AQ   C3409   8-759-833-72   IC   NJM2870F25-TE2   CXD2309Q   CXD23 |         |               |                     | , ,                    | O3005   | 8.720.120.28               | TDANGISTOD  | 2901623   5  6   |
| C3408  | IC3407  | 8-759-485-79  | IC                  | TC7SET08FU(TE85L)      |         |                            |             |                  |
| C3409  | IC3408  | 8-759-672-57  | IC                  | CXD9509AQ              |         |                            |             |                  |
| C3410  | IC3409  | 8-759-833-72  | IC                  | NJM2870F25-TE2         |         |                            |             |                  |
| C3411  | IC3410  | 8-752-367-59  | IC                  | CXD2309Q               |         |                            |             |                  |
| C3412   8-759-082-58   IC   TC7W08FU   Q3301   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3302   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3302   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3303   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3304   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3304   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3304   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3304   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3305   8-729-026-49   TRANSISTOR   2SC1623-L5L6   Q3305   RANSISTOR   Q3305   RANSISTOR   2SC1623-L5L6   Q3305   RANSISTOR   Q3305   RANSISTO | IC3411  | 8-759-082-57  | IC                  | TC7W04FU               | Ø3020   | U-1 20-U2U- <del>4</del> 3 | MANOIOTOR   | 20/100//N-1140-N |
| C3412   8-759-082-58   IC   TC7W08FU   Q3301   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3302   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3302   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3303   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3304   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3304   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3304   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3304   8-729-120-28   TRANSISTOR   2SC1623-L5L6   Q3305   8-729-026-49   TRANSISTOR   2SC1623-L5L6   Q3305   RANSISTOR   Q3305   RANSISTOR   2SC1623-L5L6   Q3305   RANSISTOR   Q3305   RANSISTO |         |               |                     |                        | Q3091   | 1-801-806-11               | TRANSISTOR  | DTC144EKA        |
| IC3413 8-759-595-97 IC SN74LV4053ANSR IC3414 8-759-548-56 IC M52055FP Q3302 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3303 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3304 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3305 8-729-026-49 TRANSISTOR 2SA1037AK-T146-R  |         |               |                     |                        |         |                            |             |                  |
| IC3414 8-759-548-56 IC M52055FP Q3303 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3304 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3305 8-729-026-49 TRANSISTOR 2SA1037AK-T146-R   |         |               |                     |                        |         |                            |             |                  |
| Q3304 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3305 8-729-026-49 TRANSISTOR 2SA1037AK-T146-R  | IC3414  | 8-759-548-56  | IC                  | M52055FP               |         |                            |             |                  |
|  |         |               |                     |                        |         |                            |             |                  |
|  |         |               |                     |                        |         |                            |             |                  |
| Q3306 8-729-026-49 TRANSISTOR 2SA1037AK-T146-R   |         |               |                     |                        |         |                            |             | 2SA1037AK-T146-R |
|  |         |               |                     |                        | Q3306   | 8-729-026-49               | TRANSISTOR  | 2SA1037AK-T146-R |



| REF.NO.            | PART NO.     | DESCRIPTION     | VALUE   | S                    |         | REF.NO. | PART NO.     | DESCRIPTION  | VALI | JES    |           |
|--------------------|--------------|-----------------|---------|----------------------|---------|---------|--------------|--------------|------|--------|-----------|
| Q3307              | 8-729-120-28 | TRANSISTOR      | 2SC1623 | 3-L5L6               |         | R3101   | 1-216-809-11 | METAL CHIP   | 100  | 5%     | 1/10W     |
| Q3308              | 8-729-026-49 | TRANSISTOR      | 2SA1037 | 'AK-T146-            | -R      | R3102   | 1-216-809-11 | METAL CHIP   | 100  | 5%     | 1/10W     |
| Q3309              | 8-729-120-28 | TRANSISTOR      | 2SC1623 | 3-L5L6               |         | R3103   | 1-216-822-11 | METAL CHIP   | 1.2K | 5%     | 1/10W     |
| Q3310              | 8-729-026-49 | TRANSISTOR      | 2SA1037 | 'AK-T146-            | -R      | R3104   | 1-216-809-11 | METAL CHIP   | 100  | 5%     | 1/10W     |
| Q3311              | 8-729-120-28 | TRANSISTOR      | 2SC1623 | 3-L5L6               |         | R3105   | 1-216-809-11 | METAL CHIP   | 100  | 5%     | 1/10W     |
| Q3401              | 8-729-120-28 | TRANSISTOR      | 2SC1623 | R-I 5I 6             |         | R3106   | 1-216-818-11 | METAL CHIP   | 560  | 5%     | 1/10W     |
| Q3402              | 8-729-028-28 | TRANSISTOR      | 2SK2036 |                      |         | R3107   | 1-216-864-11 | SHORT CHIP   | 000  | 070    | 171011    |
| Q3403              | 8-729-120-28 | TRANSISTOR      | 2SC1623 |                      |         | R3108   | 1-216-817-11 | METAL CHIP   | 470  | 5%     | 1/10W     |
| Q3404              | 8-729-028-28 | TRANSISTOR      | 2SK2036 |                      |         | R3109   | 1-216-823-11 | METAL CHIP   | 1.5K | 5%     | 1/10W     |
| Q3405              | 8-729-026-49 | TRANSISTOR      |         | 7AK-T146             | D       | R3110   | 1-216-809-11 | METAL CHIP   | 100  | 5%     | 1/10W     |
| Q0 <del>1</del> 00 | 0-729-020-49 | ITANOIOTOIX     | 20/1007 | VIV-1 140.           | 11      | 1.5110  | 1-210-003-11 | WIL TAL OTTI | 100  | 3 /0   | 1/1044    |
| Q3406              | 8-729-026-49 | TRANSISTOR      | 2SA1037 | 'AK-T146-            | -R      | R3111   | 1-216-809-11 | METAL CHIP   | 100  | 5%     | 1/10W     |
| Q3407              | 8-729-120-28 | TRANSISTOR      | 2SC1623 | 3-L5L6               |         | R3301   | 1-216-809-11 | METAL CHIP   | 100  | 5%     | 1/10W     |
| Q3408              | 8-729-026-49 | TRANSISTOR      | 2SA1037 | 'AK-T146-            | -R      | R3302   | 1-216-817-11 | METAL CHIP   | 470  | 5%     | 1/10W     |
| Q3409              | 8-729-120-28 | TRANSISTOR      | 2SC1623 | 3-L5L6               |         | R3303   | 1-218-710-11 | METAL CHIP   | 5.6K | 0.50%  | 1/10W     |
| Q3410              | 8-729-026-49 | TRANSISTOR      | 2SA1037 | 'AK-T146-            | -R      | R3304   | 1-216-809-11 | METAL CHIP   | 100  | 5%     | 1/10W     |
| Q3411              | 8-729-026-49 | TRANSISTOR      | 2541037 | 'AK-T146-            | .D      | R3305   | 1-216-809-11 | METAL CHIP   | 100  | 5%     | 1/10W     |
| Q3412              | 8-729-026-49 | TRANSISTOR      |         | 'AK-T146             |         | R3306   | 1-216-809-11 | METAL CHIP   | 100  | 5%     | 1/10W     |
| Q3413              | 8-729-026-49 | TRANSISTOR      |         | 'AK-T146             |         | R3307   | 1-216-864-11 | SHORT CHIP   | 100  | 370    | 17 10 4 4 |
| Q3413<br>Q3414     | 8-729-026-49 | TRANSISTOR      |         | 'AK-T146<br>'AK-T146 |         | R3308   | 1-216-864-11 | SHORT CHIP   |      |        |           |
| Q3414<br>Q3415     |              |                 |         |                      |         |         |              |              | 56   | 0 500/ | 1/10\\\   |
| Q3413              | 8-729-026-49 | TRANSISTOR      | 25A1037 | 'AK-T146-            | ·ĸ      | R3309   | 1-218-662-11 | METAL CHIP   | 90   | 0.50%  | 1/10W     |
|                    | RESISTOR     |                 |         |                      |         | R3310   | 1-218-662-11 | METAL CHIP   | 56   |        | 1/10W     |
| R3001              | 1-216-833-11 | METAL CHIP      | 10K     | 5%                   | 1/10W   | R3311   | 1-218-662-11 | METAL CHIP   | 56   |        | 1/10W     |
| R3002              | 1-216-864-11 | SHORT CHIP      | IUIX    | J /0                 | 1/1000  | R3312   | 1-218-662-11 | METAL CHIP   | 56   |        | 1/10W     |
| R3021              | 1-216-809-11 | METAL CHIP      | 100     | 5%                   | 1/10W   | R3313   | 1-216-835-11 | METAL CHIP   | 15K  | 5%     | 1/10W     |
| R3022              | 1-216-809-11 | METAL CHIP      | 100     | 5%                   | 1/10W   | R3314   | 1-218-665-11 | METAL CHIP   | 75   | 0.50%  | 1/10W     |
| R3023              | 1-216-833-11 | METAL CHIP      | 10K     | 5%                   | 1/10W   |         |              |              |      |        |           |
| 113023             | 1-210-030-11 | IVIL IAL OI III | IUIX    | J /0                 | 1/1000  | R3315   | 1-216-835-11 | METAL CHIP   | 15K  | 5%     | 1/10W     |
| R3035              | 1-216-809-11 | METAL CHIP      | 100     | 5%                   | 1/10W   | R3316   | 1-218-664-11 | METAL CHIP   | 68   |        | 1/10W     |
| R3036              | 1-216-809-11 | METAL CHIP      | 100     | 5%                   | 1/10W   | R3317   | 1-218-664-11 | METAL CHIP   | 68   |        | 1/10W     |
| R3037              | 1-216-809-11 | METAL CHIP      | 100     | 5%                   | 1/10W   | R3318   | 1-218-665-11 | METAL CHIP   | 75   | 0.50%  | 1/10W     |
|                    | 1-218-686-11 |                 |         |                      |         | R3319   | 1-218-662-11 | METAL CHIP   | 56   | 0.50%  | 1/10W     |
| R3038              |              | METAL CHIP      | 560     |                      | 1/10W   |         |              |              |      |        |           |
| R3039              | 1-218-686-11 | METAL CHIP      | 560     | 0.50%                | 1/10W   | R3320   | 1-218-662-11 | METAL CHIP   | 56   | 0.50%  | 1/10W     |
| D2040              | 4 040 000 44 | METAL CLUD      | FC0     | 0.500/               | 4/40\4/ | R3321   | 1-218-662-11 | METAL CHIP   | 56   | 0.50%  | 1/10W     |
| R3040              | 1-218-686-11 | METAL CHIP      | 560     |                      | 1/10W   | R3322   | 1-218-662-11 | METAL CHIP   | 56   | 0.50%  | 1/10W     |
| R3050              | 1-216-809-11 | METAL CHIP      | 100     | 5%                   | 1/10W   | R3323   | 1-216-825-11 | METAL CHIP   | 2.2K | 5%     | 1/10W     |
| R3079              | 1-216-821-11 | METAL CHIP      | 1K      | 5%                   | 1/10W   | R3324   | 1-216-827-11 | METAL CHIP   | 3.3K | 5%     | 1/10W     |
| R3089              | 1-216-864-11 | SHORT CHIP      | 0.017   | <b>5</b> 0/          | 4/40/4/ |         |              |              |      |        |           |
| R3091              | 1-216-825-11 | METAL CHIP      | 2.2K    | 5%                   | 1/10W   | R3325   | 1-216-827-11 | METAL CHIP   | 3.3K | 5%     | 1/10W     |
| R3092              | 1-216-825-11 | METAL CHIP      | 2.2K    | 5%                   | 1/10W   | R3326   | 1-216-825-11 | METAL CHIP   | 2.2K | 5%     | 1/10W     |
| R3095              | 1-216-845-11 | METAL CHIP      | 100K    | 5%                   | 1/10W   | R3327   | 1-216-835-11 | METAL CHIP   | 15K  | 5%     | 1/10W     |
| R3096              | 1-216-817-11 | METAL CHIP      | 470     | 5%                   | 1/10W   | R3328   | 1-216-864-11 | SHORT CHIP   |      |        |           |
| R3097              | 1-216-845-11 | METAL CHIP      | 100K    | 5%                   | 1/10W   | R3329   | 1-216-815-11 | METAL CHIP   | 330  | 5%     | 1/10W     |
| R3098              | 1-216-805-11 | METAL CHIP      | 47      | 5%                   | 1/10W   |         |              |              |      |        |           |
| 1/9090             | 1-210-000-11 | INIT IVE OLIII. | 71      | J /0                 | 17 1044 | R3330   | 1-216-815-11 | METAL CHIP   | 330  | 5%     | 1/10W     |
| R3099              | 1-216-805-11 | METAL CHIP      | 47      | 5%                   | 1/10W   | R3331   | 1-216-841-11 | METAL CHIP   | 47K  | 5%     | 1/10W     |
| R3100              |              |                 | 100     | 5%<br>5%             | 1/10W   | R3332   | 1-218-709-11 | METAL CHIP   | 5.1K | 0.50%  | 1/10W     |
| L/9 100            | 1-216-809-11 | METAL CHIP      | 100     | J /0                 | 1/ 1000 | R3333   | 1-216-864-11 | SHORT CHIP   |      |        |           |



| REF.NO.        | PART NO.                     | DESCRIPTION              | VALU | ES     |         | REF.NO.        | PART NO.                     | DESCRIPTION              | VALU     | JES         |                |
|----------------|------------------------------|--------------------------|------|--------|---------|----------------|------------------------------|--------------------------|----------|-------------|----------------|
| R3334          | 1-216-809-11                 | METAL CHIP               | 100  | 5%     | 1/10W   | R3383          | 1-216-817-11                 | METAL CHIP               | 470      | 5%          | 1/10W          |
| R3335          | 1-216-833-11                 | METAL CHIP               | 10K  | 5%     | 1/10W   | R3384          | 1-216-809-11                 | METAL CHIP               | 100      | 5%          | 1/10W          |
| R3337          | 1-216-820-11                 | METAL CHIP               | 820  | 5%     | 1/10W   | R3410          | 1-216-833-11                 | METAL CHIP               | 10K      | 5%          | 1/10W          |
| R3338          | 1-216-821-11                 | METAL CHIP               | 1K   | 5%     | 1/10W   | R3421          | 1-216-864-11                 | SHORT CHIP               |          |             |                |
| R3339          | 1-216-855-11                 | METAL CHIP               | 680K | 5%     | 1/10W   | R3422          | 1-216-864-11                 | SHORT CHIP               |          |             |                |
|                |                              |                          |      |        |         |                |                              |                          |          |             |                |
| R3340          | 1-216-855-11                 | METAL CHIP               | 680K | 5%     | 1/10W   | R3423          | 1-216-813-11                 | METAL CHIP               | 220      | 5%          | 1/10W          |
| R3341          | 1-216-813-11                 | METAL CHIP               | 220  | 5%     | 1/10W   | R3428          | 1-216-803-11                 | METAL CHIP               | 33       | 5%          | 1/10W          |
| R3342          | 1-218-705-11                 | METAL CHIP               | 3.6K |        | 1/10W   | R3429          | 1-216-823-11                 | METAL CHIP               | 1.5K     | 5%          | 1/10W          |
| R3343          | 1-216-809-11                 | METAL CHIP               | 100  | 5%     | 1/10W   | R3432          | 1-216-815-11                 | METAL CHIP               | 330      | 5%          | 1/10W          |
| R3344          | 1-216-853-11                 | METAL CHIP               | 470K | 5%     | 1/10W   | R3434          | 1-216-809-11                 | METAL CHIP               | 100      | 5%          | 1/10W          |
| R3345          | 1-218-704-11                 | METAL CHIP               | 3.3K | 0.50%  | 1/10W   | R3445          | 1-216-864-11                 | SHORT CHIP               |          |             |                |
| R3346          | 1-216-809-11                 | METAL CHIP               | 100  | 5%     | 1/10W   | R3446          | 1-216-821-11                 | METAL CHIP               | 1K       | 5%          | 1/10W          |
| R3347          | 1-216-815-11                 | METAL CHIP               | 330  | 5%     | 1/10W   | R3447          | 1-216-819-11                 | METAL CHIP               | 680      | 5%          | 1/10W          |
| R3348          | 1-216-864-11                 | SHORT CHIP               | 000  | 070    |         | R3448          | 1-216-855-11                 | METAL CHIP               | 680K     | 5%          | 1/10W          |
| R3349          | 1-218-687-11                 | METAL CHIP               | 620  | 0.50%  | 1/10W   | R3452          | 1-216-864-11                 | SHORT CHIP               | 00011    | 070         | 171011         |
|                |                              |                          |      |        |         |                |                              |                          |          |             |                |
| R3350          | 1-216-814-11                 | METAL CHIP               | 270  | 5%     | 1/10W   | R3454          | 1-216-825-11                 | METAL CHIP               | 2.2K     | 5%          | 1/10W          |
| R3351          | 1-216-825-11                 | METAL CHIP               | 2.2K | 5%     | 1/10W   | R3460          | 1-216-833-11                 | METAL CHIP               | 10K      | 5%          | 1/10W          |
| R3352          | 1-216-853-11                 | METAL CHIP               | 470K | 5%     | 1/10W   | R3461          | 1-216-833-11                 | METAL CHIP               | 10K      | 5%          | 1/10W          |
| R3353          | 1-216-837-11                 | METAL CHIP               | 22K  | 5%     | 1/10W   | R3464          | 1-216-821-11                 | METAL CHIP               | 1K       | 5%          | 1/10W          |
| R3354          | 1-216-813-11                 | METAL CHIP               | 220  | 5%     | 1/10W   | R3465          | 1-216-821-11                 | METAL CHIP               | 1K       | 5%          | 1/10W          |
| R3355          | 1-216-821-11                 | METAL CHIP               | 1K   | 5%     | 1/10W   | R3467          | 1-216-821-11                 | METAL CHIP               | 1K       | 5%          | 1/10W          |
| R3356          | 1-216-819-11                 | METAL CHIP               | 680  | 5%     | 1/10W   | R3470          | 1-216-809-11                 | METAL CHIP               | 100      | 5%          | 1/10W          |
| R3357          | 1-218-676-11                 | METAL CHIP               | 220  |        | 1/10W   | R3471          | 1-216-821-11                 | METAL CHIP               | 1K       | 5%          | 1/10W          |
| R3358          | 1-218-676-11                 | METAL CHIP               | 220  |        | 1/10W   | R3472          | 1-216-801-11                 | METAL CHIP               | 22       | 5%          | 1/10W          |
| R3359          | 1-218-676-11                 | METAL CHIP               | 220  |        | 1/10W   | R3475          | 1-216-809-11                 | METAL CHIP               | 100      | 5%          | 1/10W          |
| 110000         | 1 210 070 11                 | ME IAE OITII             | 220  | 0.0070 | 171011  | 10470          | 1 210 000 11                 | WE ITE OTH               | 100      | <b>3</b> /0 | 1/1011         |
| R3360          | 1-216-827-11                 | METAL CHIP               | 3.3K | 5%     | 1/10W   | R3476          | 1-216-821-11                 | METAL CHIP               | 1K       | 5%          | 1/10W          |
| R3361          | 1-216-825-11                 | METAL CHIP               | 2.2K | 5%     | 1/10W   | R3477          | 1-218-701-11                 | METAL CHIP               | 2.4K     | 0.50%       | 1/10W          |
| R3364          | 1-216-864-11                 | SHORT CHIP               |      |        |         | R3478          | 1-216-821-11                 | METAL CHIP               | 1K       | 5%          | 1/10W          |
| R3365          | 1-216-827-11                 | METAL CHIP               | 3.3K | 5%     | 1/10W   | R3483          | 1-218-701-11                 | METAL CHIP               | 2.4K     | 0.50%       | 1/10W          |
| R3366          | 1-216-825-11                 | METAL CHIP               | 2.2K | 5%     | 1/10W   | R3484          | 1-216-821-11                 | METAL CHIP               | 1K       | 5%          | 1/10W          |
| D2267          | 1 216 002 11                 | METAL CUID               | 22   | E0/    | 1/10\\\ | D240E          | 1 016 001 11                 | METAL CUID               | 11/      | E0/         | 1/10\\\        |
| R3367<br>R3369 | 1-216-803-11<br>1-216-864-11 | METAL CHIP<br>SHORT CHIP | 33   | 5%     | 1/10W   | R3485<br>R3486 | 1-216-821-11<br>1-216-801-11 | METAL CHIP<br>METAL CHIP | 1K<br>22 | 5%<br>5%    | 1/10W<br>1/10W |
| R3371          | 1-218-686-11                 |                          | 560  | 0.500/ | 1/10W   | R3489          | 1-216-864-11                 | SHORT CHIP               | 22       | 370         | 1/1000         |
| R3372          | 1-216-817-11                 | METAL CHIP<br>METAL CHIP | 470  | 5%     | 1/10W   | R3499          | 1-216-864-11                 | SHORT CHIP               |          |             |                |
|                |                              |                          |      |        |         |                |                              | METAL CHIP               | 11/      | E0/         | 1/10\\\        |
| R3373          | 1-216-817-11                 | METAL CHIP               | 470  | 5%     | 1/10W   | R3491          | 1-216-821-11                 | METAL CHIP               | 1K       | 5%          | 1/10W          |
| R3374          | 1-216-809-11                 | METAL CHIP               | 100  | 5%     | 1/10W   | R3492          | 1-216-821-11                 | METAL CHIP               | 1K       | 5%          | 1/10W          |
| R3375          | 1-218-686-11                 | METAL CHIP               | 560  | 0.50%  | 1/10W   | R3493          | 1-218-701-11                 | METAL CHIP               | 2.4K     | 0.50%       | 1/10W          |
| R3376          | 1-218-710-11                 | METAL CHIP               | 5.6K | 0.50%  | 1/10W   | R3495          | 1-216-821-11                 | METAL CHIP               | 1K       | 5%          | 1/10W          |
| R3377          | 1-216-817-11                 | METAL CHIP               | 470  | 5%     | 1/10W   | R3496          | 1-216-801-11                 | METAL CHIP               | 22       | 5%          | 1/10W          |
| R3378          | 1-216-817-11                 | METAL CHIP               | 470  | 5%     | 1/10W   | R3497          | 1-216-829-11                 | METAL CHIP               | 4.7K     | 5%          | 1/10W          |
| R3379          | 1-216-809-11                 | METAL CHIP               | 100  | 5%     | 1/10W   | R3498          | 1-216-818-11                 | METAL CHIP               | 560      | 5%          | 1/10W          |
| R3380          | 1-218-686-11                 | METAL CHIP               | 560  |        | 1/10W   | R3499          | 1-216-821-11                 | METAL CHIP               | 1K       | 5%<br>5%    | 1/10W          |
| R3381          | 1-218-710-11                 | METAL CHIP               | 5.6K |        | 1/10W   | R3501          | 1-216-821-11                 | METAL CHIP               | 1K       | 5%<br>5%    | 1/10W          |
| R3382          | 1-216-710-11                 | SHORT CHIP               | J.UN | 0.00/0 | 1/ 1000 | R3502          | 1-216-821-11                 | METAL CHIP               | 1K       | 5%<br>5%    | 1/10W          |
| 110002         | 1-2 10-00 <del>4</del> -11   | OHORY OHIF               |      |        |         | 13002          | 1-210-021-11                 | WIL TAL OF HE            | ш        | J /0        | 1/10//         |



| R3504 1-<br>R3505 1-<br>R3506 1-<br>R3507 1-<br>R3508 1- | -216-821-11<br>-216-821-11<br>-216-821-11<br>-216-821-11 | METAL CHIP METAL CHIP | 1K   | 5%     | 1/10W   | R3839  | 4 040 070 44  | METAL OLUB        | 400   |             |        |
|--|--|-----------------------|------|--------|---------|--------|---------------|-------------------|-------|-------------|--------|
| R3504 1-<br>R3505 1-<br>R3506 1-<br>R3507 1-<br>R3508 1- | -216-821-11<br>-216-821-11                               | METAL CHIP            |      |        | 1/1000  | K3039  | 1-218-670-11  | METAL CHIP        | 120   | 0.50%       | 1/10W  |
| R3505 1-<br>R3506 1-<br>R3507 1-<br>R3508 1-             | -216-821-11  |                       | 1K   | 5%     | 1/10W   | R3840  | 1-216-803-11  | METAL CHIP        |       | 5%          | 1/10W  |
| R3506 1-<br>R3507 1-<br>R3508 1-                         |  | METAL CHIP            | 1K   | 5%     | 1/10W   | R3841  | 1-218-670-11  | METAL CHIP        |       |             | 1/10W  |
| R3507 1-<br>R3508 1-                                     | 210 021 11   | METAL CHIP            | 1K   | 5%     | 1/10W   | R3842  | 1-218-689-11  | METAL CHIP        |       |             | 1/10W  |
| R3508 1-   | -216-821-11  | METAL CHIP            | 1K   | 5%     | 1/10W   | R3846  | 1-216-801-11  | METAL CHIP        |       | 5%          | 1/10W  |
|  | 210 021 11   | WEINE OTH             | 111  | 070    | 171011  | 10010  | 1210 001 11   | ME IAE OI III     |       | 0 70        | 171011 |
| D0500 4  | -216-821-11  | METAL CHIP            | 1K   | 5%     | 1/10W   | R3847  | 1-216-801-11  | METAL CHIP        | 22    | 5%          | 1/10W  |
| R3509 1-   | -216-821-11  | METAL CHIP            | 1K   | 5%     | 1/10W   | R3848  | 1-216-825-11  | METAL CHIP        | 2.2K  | 5%          | 1/10W  |
| R3510 1-   | -216-821-11  | METAL CHIP            | 1K   | 5%     | 1/10W   | R3849  | 1-218-675-11  | METAL CHIP        | 200   | 0.50%       | 1/10W  |
| R3511 1-   | -216-821-11  | METAL CHIP            | 1K   | 5%     | 1/10W   | R3850  | 1-218-675-11  | METAL CHIP        | 200   | 0.50%       | 1/10W  |
| R3512 1-   | -216-821-11  | METAL CHIP            | 1K   | 5%     | 1/10W   | R3851  | 1-216-809-11  | METAL CHIP        | 100   | 5%          | 1/10W  |
| D0000 4  | 010 001 11   | OLIOPE OLUP           |      |        |         | D0050  | 4 040 075 44  | METAL OUID        | 000   | 0.500/      | 4/4014 |
|  | -216-864-11  | SHORT CHIP            |      | /      |         | R3852  | 1-218-675-11  | METAL CHIP        |       |             | 1/10W  |
|  | -218-678-11  | METAL CHIP            | 270  | 0.50%  |         | R3854  | 1-216-825-11  | METAL CHIP        |       | 5%          | 1/10W  |
|  | -218-678-11  | METAL CHIP            | 270  | 0.50%  |         | R3857  | 1-216-809-11  | METAL CHIP        |       | 5%          | 1/10W  |
|  | -218-678-11  | METAL CHIP            | 270  | 0.50%  |         | R3858  | 1-218-704-11  | METAL CHIP        |       |             | 1/10W  |
| R3805 1-   | -218-678-11  | METAL CHIP            | 270  | 0.50%  | 1/10W   | R3862  | 1-216-825-11  | METAL CHIP        | 2.2K  | 5%          | 1/10W  |
| R3807 1-   | -218-670-11  | METAL CHIP            | 120  | 0.50%  | 1/10W   | R3863  | 1-218-700-11  | METAL CHIP        | 2.2K  | 0.50%       | 1/10W  |
|  | -218-670-11  | METAL CHIP            | 120  | 0.50%  |         | R3864  | 1-216-827-11  | METAL CHIP        |       | 5%          | 1/10W  |
|  | -218-670-11  | METAL CHIP            | 120  | 0.50%  |         | R3865  | 1-216-809-11  | METAL CHIP        |       | 5%          | 1/10W  |
|  | -218-670-11  | METAL CHIP            | 120  | 0.50%  |         | R3866  | 1-414-234-22  | FERRITE           | 0μH   | 070         |        |
|  | -216-809-11  | METAL CHIP            | 100  | 5%     | 1/10W   | R3867  | 1-414-234-22  | FERRITE           | 0μH   |             |        |
| 110011   | 210 000 11   | WEINE OTH             | 100  | 070    | 171011  | 110001 | 1 111 201 22  | LIMITE            | ομι ι |             |        |
| R3812 1-   | -216-809-11  | METAL CHIP            | 100  | 5%     | 1/10W   | R3868  | 1-414-234-22  | FERRITE           | 0μΗ   |             |        |
| R3813 1-   | -216-809-11  | METAL CHIP            | 100  | 5%     | 1/10W   | R3869  | 1-218-719-11  | METAL CHIP        | 13K   | 0.50%       | 1/10W  |
| R3814 1-   | -218-644-11  | METAL CHIP            | 10   | 0.50%  | 1/10W   | R3870  | 1-218-719-11  | METAL CHIP        | 13K   | 0.50%       | 1/10W  |
| R3815 1-   | -218-648-11  | METAL CHIP            | 15   | 0.50%  | 1/10W   | R3871  | 1-218-719-11  | METAL CHIP        | 13K   | 0.50%       | 1/10W  |
| R3816 1-   | -218-652-11  | METAL CHIP            | 22   | 0.50%  | 1/10W   | R3881  | 1-216-807-11  | METAL CHIP        | 68    | 5%          | 1/10W  |
| D0047 4  | 040.050.44   | METAL CLUB            | 00   | 0.500/ | 4/40\4/ | D0000  | 4 040 007 44  | METAL OLUD        | 00    | <b>5</b> 0/ | 4/40\\ |
|  | -218-652-11  | METAL CHIP            | 22   | 0.50%  |         | R3882  | 1-216-807-11  | METAL CHIP        |       | 5%          | 1/10W  |
|  | -218-684-11  | METAL CHIP            | 470  | 0.50%  |         | R3883  | 1-216-807-11  | METAL CHIP        |       | 5%          | 1/10W  |
|  | -218-684-11  | METAL CHIP            | 470  | 0.50%  |         | R3915  | 1-218-644-11  | METAL CHIP        |       |             | 1/10W  |
|  | -218-684-11  | METAL CHIP            | 470  | 0.50%  |         | R3916  | 1-218-644-11  | METAL CHIP        |       |             | 1/10W  |
| R3823 1-   | -216-826-11  | METAL CHIP            | 2.7K | 5%     | 1/10W   | R3917  | 1-218-644-11  | METAL CHIP        | 10    | 0.50%       | 1/10W  |
| R3824 1-   | -216-826-11  | METAL CHIP            | 2.7K | 5%     | 1/10W   | R3933  | 1-216-864-11  | SHORT CHIP        |       |             |        |
|  | -216-826-11  | METAL CHIP            | 2.7K | 5%     | 1/10W   | R3937  | 1-216-809-11  | METAL CHIP        | 100   | 5%          | 1/10W  |
|  | -216-809-11  | METAL CHIP            | 100  | 5%     | 1/10W   | R3953  | 1-216-821-11  | METAL CHIP        |       | 5%          | 1/10W  |
|  | -218-684-11  | METAL CHIP            | 470  | 0.50%  |         | R3954  | 1-216-821-11  | METAL CHIP        |       | 5%          | 1/10W  |
|  | -218-684-11  | METAL CHIP            | 470  | 0.50%  |         | R3955  | 1-216-821-11  | METAL CHIP        |       | 5%          | 1/10W  |
|  |  |                       |      |        |         |        |               |                   |       |             |        |
|  | -218-684-11  | METAL CHIP            | 470  | 0.50%  | 1/10W   | R3956  | 1-216-825-11  | METAL CHIP        |       | 5%          | 1/10W  |
|  | -216-864-11  | SHORT CHIP            |      |        |         | R3957  | 1-216-825-11  | METAL CHIP        |       | 5%          | 1/10W  |
| R3832 1-   | -216-864-11  | SHORT CHIP            |      |        |         | R3958  | 1-216-825-11  | METAL CHIP        | 2.2K  | 5%          | 1/10W  |
| R3833 1-   | -216-864-11  | SHORT CHIP            |      |        |         |        |               |                   |       |             |        |
| R3834 1-   | -218-678-11  | METAL CHIP            | 270  | 0.50%  | 1/10W   |        | RESISTOR BRID | <u>DGE</u>        |       |             |        |
| D2025 4  | 210 670 44   | METAL CLUD            | 270  | 0 E00/ | 1/10\\\ | RB3304 | 1-233-576-11  | RES, CHIP NETWORK |       | 100         |        |
|  | -218-678-11  | METAL CHIP            | 270  |        | 1/10W   | RB3305 | 1-233-576-11  | RES, CHIP NETWORK |       | 100         |        |
|  | -218-678-11  | METAL CHIP            | 270  | 0.50%  |         | RB3306 | 1-233-576-11  | RES, CHIP NETWORK |       | 100         |        |
|  | -218-678-11  | METAL CHIP            | 270  | 0.50%  |         | RB3307 | 1-233-576-11  | RES, CHIP NETWORK |       | 100         |        |
| R3838 1-   | -218-678-11  | METAL CHIP            | 270  | 0.50%  | 1/ 1000 | RB3401 | 1-234-524-21  | RES, CHIP NETWORK |       | 33          |        |

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



| REF.NO.     | PART NO.         | DESCRIPTION                                 | VALUE       | S        |      |          | REF.NO. | PART NO.     | DESCRIPTION              | VALU    | ES         |             |
|-------------|------------------|---|-------------|----------|------|----------|---------|--------------|--------------------------|---------|------------|-------------|
| RB3402      | 1-234-524-21     | RES, CHIP NETWORK                           |             | 33       |      |          | C8009   | 1-162-970-11 | CERAMIC CHIP             | 0.01µF  | 10%        | 25V         |
| RB3403      | 1-234-524-21     | RES, CHIP NETWORK                           |             | 33       |      |          | C8010   | 1-136-177-00 | FILM                     | 1μF     | 5%         | 50V         |
| RB3404      | 1-234-524-21     | RES, CHIP NETWORK                           |             | 33       |      |          | C8011   | 1-162-927-11 | CERAMIC CHIP             | 100pF   | 5%         | 50V         |
| RB3405      | 1-234-524-21     | RES, CHIP NETWORK                           |             | 33       |      |          | C8012   | 1-162-970-11 | CERAMIC CHIP             | 0.01µF  | 10%        | 25V         |
| RB3406      | 1-234-524-21     | RES, CHIP NETWORK                           |             | 33       |      |          | C8013   | 1-162-927-11 | CERAMIC CHIP             | 100pF   | 5%         | 50V         |
|             |                  |   |             |          |      |          | 000.0   |              | <b>52</b> . a <b>5 5</b> |         | 0,0        |             |
| RB3407      | 1-239-409-11     | NETWORK RESISTOR                            | (CHIP)      | 47       |      |          | C8014   | 1-104-665-11 | ELECT                    | 100µF   | 20%        | 25V         |
| RB3408      | 1-239-409-11     | NETWORK RESISTOR                            | (CHIP)      | 47       |      |          | C8015   | 1-126-969-11 | ELECT                    | 220µF   | 20%        | 50V         |
| RB3409      | 1-239-409-11     | NETWORK RESISTOR                            | (CHIP)      | 47       |      |          | C8016   | 1-104-665-11 | ELECT                    | 100µF   | 20%        | 25V         |
| RB3410      | 1-239-409-11     | NETWORK RESISTOR                            | (CHIP)      | 47       |      |          | C8017   | 1-162-964-11 | CERAMIC CHIP             | 0.001µF | 10%        | 50V         |
| RB3411      | 1-239-409-11     | NETWORK RESISTOR                            | (CHIP)      | 47       |      |          | C8018   | 1-126-964-11 | ELECT                    | 10µF    | 20%        | 50V         |
|             |                  |   |             |          |      |          |         |              |                          |         |            |             |
| RB3412      | 1-239-409-11     | NETWORK RESISTOR                            | . ,         | 47       |      |          | C8019   | 1-162-927-11 | CERAMIC CHIP             | 100pF   | 5%         | 50V         |
| RB3421      | 1-233-576-11     | RES, CHIP NETWORK                           |             | 100      |      |          | C8020   | 1-162-927-11 | CERAMIC CHIP             | 100pF   | 5%         | 50V         |
| RB3422      | 1-233-576-11     | RES, CHIP NETWORK                           |             | 100      |      |          | C8023   | 1-106-220-00 | MYLAR                    | 0.1µF   | 10%        | 100V        |
| RB3423      | 1-233-576-11     | RES, CHIP NETWORK                           |             | 100      |      |          | C8024   | 1-137-372-11 | MYLAR                    | 0.022µF | 5%         | 50V         |
| RB3424      | 1-233-576-11     | RES, CHIP NETWORK                           |             | 100      |      |          | C8025   | 1-126-968-11 | ELECT                    | 100µF   | 20%        | 50V         |
| RB3425      | 1-233-576-11     | RES, CHIP NETWORK                           |             | 100      |      |          | C8026   | 1-126-968-11 | ELECT                    | 100µF   | 20%        | 50V         |
| RB3426      | 1-233-576-11     | RES, CHIP NETWORK                           |             | 100      |      |          | C8028   | 1-126-968-11 | ELECT                    | 100μF   | 20%        | 50V<br>50V  |
|             | 1-233-576-11     | •   |             |          |      |          | C8029   |              | ELECT                    | -       |            | 50V<br>50V  |
| RB3427      |                  | RES, CHIP NETWORK                           |             | 100      |      |          |         | 1-126-968-11 | ELECT                    | 100µF   | 20%        |             |
| RB3428      | 1-233-576-11     | RES, CHIP NETWORK                           |             | 100      |      |          | C8031   | 1-107-636-11 | ELECT                    | 10μF    | 20%<br>20% | 160V<br>50V |
|             | CRYSTAL          |   |             |          |      |          | C8032   | 1-126-968-11 | ELECT                    | 100µF   | 20%        | 307         |
| X3089       | 1-781-945-21     | VIBRATOR, CERAMIC                           |             |          |      |          | C8033   | 1-126-968-11 | ELECT                    | 100µF   | 20%        | 50V         |
| X3401       | 1-781-887-21     | VIBRATOR, CRYSTAL                           |             |          |      |          | C8034   | 1-162-927-11 | CERAMIC CHIP             | 100pF   | 5%         | 50V         |
|             |                  |   |             |          |      |          | C8035   | 1-162-927-11 | CERAMIC CHIP             | 100pF   | 5%         | 50V         |
|             |                  |   |             |          |      |          | C8036   | 1-126-968-11 | ELECT                    | 100µF   | 20%        | 50V         |
| ·           |                  |   |             |          |      |          | C8037   | 1-126-968-11 | ELECT                    | 100µF   | 20%        | 50V         |
| *           | A-1302-708-A     | D BOARD, COMPLETE                           |             |          |      |          |         |              |                          |         |            |             |
|             |                  | ,001 TO 8,099,999 ONLY)                     |             |          |      |          | C8040   | 1-115-349-51 | CERAMIC                  | 0.01µF  |            | 2KV         |
| •           | •                | ,001 TO 9,099,999 ONLY)                     |             |          |      |          | C8041   | 1-162-927-11 | CERAMIC CHIP             | 100pF   | 5%         | 50V         |
| $\triangle$ | A-1302-180-A     | D BOARD, COMPLETE                           |             |          |      |          | C8042   | 1-162-927-11 | CERAMIC CHIP             | 100pF   | 5%         | 50V         |
|             |                  | ,001 AND UP ONLY)                           |             |          |      |          | C8045   | 1-126-965-91 | ELECT                    | 22µF    | 20%        | 50V         |
|             |                  | ,001 AND UP ONLY)                           | 11.7.3      |          |      |          | C8046   | 1-126-965-91 | ELECT                    | 22µF    | 20%        | 50V         |
| *           | 4-382-854-11     | SCREW (M3X10), P, SV                        | . ,         |          |      |          |         |              |                          |         |            |             |
|             | 7-651-000-50     | GREASE, SILICON (G-7                        | 40) 200G    |          |      |          | C8047   | 1-162-974-11 | CERAMIC CHIP             | 0.01µF  |            | 50V         |
|             | 7-682-952-09     | SCREW +PSW 3X16                             | DT 4b - 1   | السمما ٦ |      |          | C8048   | 1-126-965-91 | ELECT                    | 22µF    | 20%        | 50V         |
|             |                  | leads associated with the F                 |             |          |      |          | C8049   | 1-162-974-11 | CERAMIC CHIP             | 0.01µF  |            | 50V         |
|             |                  | must be ordered separately                  | . Order the | IOIIOWIN | g    |          | C8050   | 1-126-965-91 | ELECT                    | 22µF    | 20%        | 50V         |
| $\wedge$    |                  | esting this D board:<br>LEAD ASSY, HIGH-VOL | TACE        |          |      |          | C8051   | 1-162-318-11 | CERAMIC                  | 0.001µF | 10%        | 500V        |
| <u>^</u>    | 1-779-095-51     | •   |             |          |      |          |         |              |                          |         |            |             |
| <u> </u>    | 1-900-260-40     | CONNECTOR ASSY, M                           | V           |          |      |          | C8052   | 1-126-965-91 | ELECT                    | 22µF    | 20%        | 50V         |
|             | <u>CAPACITOR</u> |   |             |          |      |          | C8053   | 1-162-974-11 | CERAMIC CHIP             | 0.01µF  |            | 50V         |
| C8001       | 1-137-372-11     | MYLAR                                       | 0.022µF     | 5%       | 50V  |          | C8054   | 1-162-974-11 | CERAMIC CHIP             | 0.01µF  |            | 50V         |
| C8002       | 1-162-927-11     | CERAMIC CHIP                                | 100pF       | 5%       | 50V  |          | C8055   | 1-164-156-11 | CERAMIC CHIP             | 0.1µF   |            | 25V         |
| C8003       | 1-162-927-11     | CERAMIC CHIP                                | 100pF       | 5%       | 50V  |          | C8056   | 1-107-652-11 | ELECT                    | 10µF    | 20%        | 250V        |
| C8004       | 1-104-666-11     | ELECT                                       | 220µF       | 20%      | 25V  |          |         |              |                          |         |            |             |
| C8005       | 1-126-942-61     | ELECT                                       | 1000µF      | 20%      | 25V  |          | C8057   | 1-126-959-11 | ELECT                    | 0.47µF  | 20%        | 50V         |
|             |                  |   | - 1         |          |      |          | C8058   | 1-164-230-11 | CERAMIC CHIP             | 220pF   | 5%         | 50V         |
| C8006       | 1-126-942-61     | ELECT                                       | 1000µF      | 20%      | 25V  |          | C8059   | 1-127-715-91 | CERAMIC CHIP             | 0.22µF  | 10%        | 16V         |
| C8007       | 1-162-927-11     | CERAMIC CHIP                                | 100pF       | 5%       | 50V  |          | C8060   | 1-104-665-11 | ELECT                    | 100µF   | 20%        | 25V         |
| C8008       | 1-162-927-11     | CERAMIC CHIP                                | 100pF       | 5%       | 50\/ |          |         |              |                          |         |            |             |
|             |                  |   | '           |          |      | <u> </u> | _       |              |                          |         |            |             |

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



| C8061   | 16V<br>250V<br>50V<br>50V<br>50V<br>50V |
|---|---|
| C8063         1-107-826-11         CERAMIC CHIIP         0.1μF         10%         16V         C8108         1-126-964-11         ELECT         10μF         20%           C8065         1-107-826-11         ELECT         10μF         20%         160V         C8109         1-126-964-11         ELECT         10μF         20%           C8065         1-106-383-00         MYLAR         0.047μF         10%         20V         C8110         1-126-960-11         ELECT         1μF         20%           C8066         1-162-970-11         CERAMIC CHIP         0.01μF         10%         25V         C8111         1-126-960-11         ELECT         1μF         20%           C8067         1-104-865-11         ELECT         10μF         50%         C8113         1-136-960-00         MYLAR         0.1μF         5%           C8069         1-162-378-11         CERAMIC CHIP         0.01μF         10%         25V         C8115         1-107-826-11         CERAMIC CHIP         0.1μF         10%           C8071         1-126-964-11         ELECT         10μF         20%         50V         C8116         1-107-826-11         CERAMIC CHIP         0.1μF         10%           C8071         1-126-964-11 <t< td=""><td>50V<br/>50V<br/>50V<br/>50V</td></t<>   | 50V<br>50V<br>50V<br>50V                |
| C8064         1-107-636-11         ELECT         10µF         20%         160V         C8109         1-162-924-11         CERAMIC CHIP         56pF         5%           C8065         1-106-383-00         MYLAR         0.047µF         10%         25V         C8110         1-126-960-11         ELECT         1µF         20%           C8066         1-162-970-11         CERAMIC CHIP         0.01µF         10%         25V         C8111         1-126-960-11         ELECT         1µF         20%           C8068         1-162-970-11         CERAMIC CHIP         0.01µF         10%         500V         C8113         1-126-960-11         ELECT         1µF         20%           C8070         1-126-984-11         ELECT         10µF         20%         50V         C8115         1-107-826-11         CERAMIC CHIP         0.1µF         10%           C8071         1-126-984-11         ELECT         10µF         20%         50V         C8116         1-107-826-11         CERAMIC CHIP         0.1µF         10%           C8072         1-126-984-11         ELECT         10µF         20%         50V         C8117         1-162-318-11         CERAMIC CHIP         0.1µF         10%           C8072         1-  | 50V<br>50V<br>50V<br>50V                |
| C8065 1-106-383-00 MYLAR 0.047µF 10% 200V C8110 1-126-960-11 ELECT 1µF 20% C8067 1-104-665-11 ELECT 100µF 20% 25V C8113 1-130-495-00 MYLAR 0.1µF 5% C8068 1-162-370-11 CERAMIC CHIP 0.01µF 10% 25V C8114 1-125-473-11 ELECT(BLOCK) 1000µF 20% C8070 1-126-964-11 ELECT 10µF 20% 50V C8116 1-107-826-11 CERAMIC CHIP 0.1µF 10% 25V C8116 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8070 1-126-964-11 ELECT 10µF 20% 50V C8116 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8071 1-126-964-11 ELECT 10µF 20% 50V C8116 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8073 1-162-370-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8073 1-162-370-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8073 1-162-370-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.01µF 10% 25V C8121 1-158-39-51 CERAMIC CHIP 0.01µF 10% 25V C8121 1-158-39-51 CERAMIC CHIP 0.01µF 10% 25V C8122 1-126-934-11 ELECT 20µF 20% C8070 1-162-370-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC 0.001µF 10% 25V C8120 1-107-826-11 CERAMIC 0.001µF 10% 25V C8120 1-107-826-11 CERAMIC 0.001µF 10% 25V C8120 1-107-826-11 ELECT 20µF 20% C8080 1-126-964-11 ELECT 10µF 20% 50V C8120 1-107-826-11 ELECT 20µP 20% C8080 1-126-964-11 ELECT 10µF 20% 50V C8120 1-107-826-11 ELECT 10µF 20% 50V C8120 1-107-826-11 ELECT 10µF 20% 50V C8120 1-107-826-11 ELECT 10µF 20% C8080 1-126-964-11 ELECT 10µF 5% 50V C8120 1-137-150-11 FILM 0.01µF 5% C8080 1-126-964-11 ELECT 10µF 5% 50V C8130 1-130-495-00 MYLAR 0.0039µF 99% C8080 1-126-964-11 ELECT 10µF 5% 50V C8130 1-130-495-00 MYLAR 0.0039µF 99% C8080 1-126-960-11 ELECT 10µF 5% 50V C8130 1-130-495-00 MYLAR 0.002µF 5% 50V C8130 1-130-49 | 50V<br>50V<br>50V                       |
| C8066         1-162-970-11         CERAMIC CHIP         0.01 μF         10%         25V         C8111         1-126-960-11         ELECT         1μF         20%           C8067         1-104-665-11         ELECT         100μF         20%         25V         C8113         1-130-495-00         MYLAR         0.1μF         20%           C8068         1-162-318-11         CERAMIC CHIP         0.01μF         10%         55V         C8115         1-107-826-11         CERAMIC CHIP         0.1μF         10%           C8070         1-126-964-11         ELECT         10μF         20%         50V         C8116         1-107-826-11         CERAMIC CHIP         0.1μF         10%           C8071         1-126-964-11         ELECT         10μF         20%         50V         C8117         1-162-318-11         CERAMIC CHIP         0.1μF         10%           C8072         1-126-964-11         ELECT         10μF         20%         50V         C8117         1-162-318-11         CERAMIC CHIP         0.1μF         10%         25V         C8120         1-107-826-11         CERAMIC CHIP         0.1μF         10%         25V         C8120         1-107-828-11         CERAMIC CHIP         0.1μF         10%         25V         C81   | 50V<br>50V                              |
| C8067         1-104-665-11         ELECT         100µF         20%         25V         C8113         1-130-495-00         MYLAR         0.1µF         5%           C8068         1-162-318-11         CERAMIC         0.001µF         10%         500V         C8114         1-126-473-11         ELECT(BLOCK)         100µF         20%           C8070         1-126-964-11         ELECT         10µF         20%         50V         C8115         1-107-826-11         CERAMIC CHIP         0.1µF         10%           C8071         1-126-964-11         ELECT         10µF         20%         50V         C8117         1-162-318-11         CERAMIC CHIP         0.1µF         10%           C8072         1-126-964-11         ELECT         10µF         20%         50V         C8118         1-162-318-11         CERAMIC         0.1µF         10%           C8073         1-162-964-11         ELECT         10µF         20%         50V         C8118         1-136-189-00         MYLAR         0.1µF         10%           C8074         1-104-665-11         ELECT         10µF         20%         25V         C8120         1-115-349-51         CERAMIC CHIP         0.01µF         10%         25V         C8122         1-126-  | 50V                                     |
| C8067         1-104-665-11         ELECT         100µF         20%         25V         C8113         1-130-495-00         MYLAR         0.1µF         5%           C8068         1-162-318-11         CERAMIC CHIP         0.01µF         10%         500V         C8114         1-126-473-11         ELECT(BLOCK)         100µF         20%           C8070         1-126-964-11         ELECT         10µF         20%         50V         C8115         1-107-826-11         CERAMIC CHIP         0.1µF         10%           C8071         1-126-964-11         ELECT         10µF         20%         50V         C8117         1-162-318-11         CERAMIC CHIP         0.1µF         10%           C8072         1-126-964-11         ELECT         10µF         20%         50V         C8118         1-136-189-00         MYLAR         0.1µF         10%           C8073         1-162-964-11         ELECT         10µF         20%         50V         C8118         1-136-189-00         MYLAR         0.1µF         10%           C8074         1-104-665-11         ELECT         10µF         20%         25V         C8120         1-115-349-51         CERAMIC CHIP         0.01µF         10%         25V         C8121         1-11  | 50V                                     |
| C8068         1-162-318-11         CERAMIC         0.001μF         10%         500V         C8114         1-125-473-11         ELECT(BLOCK)         1000μF         20%           C8069         1-162-970-11         CERAMIC CHIP         0.01μF         10%         25V         C8115         1-107-826-11         CERAMIC CHIP         0.1μF         10%           C8070         1-126-964-11         ELECT         10μF         20%         50V         C8116         1-107-826-11         CERAMIC CHIP         0.1μF         10%           C8071         1-126-964-11         ELECT         10μF         20%         50V         C8117         1-162-318-11         CERAMIC CHIP         0.1μF         10%           C8072         1-126-964-11         ELECT         10μF         20%         50V         C8118         1-162-318-11         CERAMIC CHIP         0.1μF         10%           C8073         1-162-970-11         CERAMIC CHIP         0.01μF         10%         25V         C8120         1-107-826-11         CERAMIC CHIP         0.1μF         10%         25V         C8121         1-115-49-94-11         ELECT         0.1μF         10%         25V         C8122         1-126-934-11         ELECT         20μF         20%         C8122   |   |
| C8069         1-162-970-11         CERAMIC CHIP C8070         0.01μF         10%         25V         C8115         1-107-826-11         CERAMIC CHIP CRAMIC CHIP O.1μF         10%         25V         C8116         1-107-826-11         CERAMIC CHIP O.1μF         10%         10%         C8116         1-107-826-11         CERAMIC CHIP O.1μF         10%         10%         C8116         1-107-826-11         CERAMIC CHIP O.1μF         10%         C8072         1-126-964-11         ELECT         10μF         20%         50V         C8117         1-162-318-11         CERAMIC CHIP O.1μF         10%         C8073         1-162-970-11         CERAMIC CHIP O.1μF         10%         25V         C8120         1-107-826-11         CERAMIC CHIP O.1μF         10%         C8074         1-104-665-11         ELECT         100μF         20%         25V         C8120         1-107-826-11         CERAMIC CHIP O.1μF         10%         C8074         1-104-665-11         CERAMIC CHIP O.1μF         10%         25V         C8120         1-107-826-11         CERAMIC CHIP O.1μF         10%         25V         C8121         1-107-826-11         CERAMIC CHIP O.1μF         10%         25V         C8122         1-107-826-11         CERAMIC CHIP O.1μF         10%         25V         C8123         1-107-826-11         CERAMIC CHIP O.1μF   | 160V                                    |
| C8070 1-126-964-11 ELECT 10µF 20% 50V C8116 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8072 1-126-964-11 ELECT 10µF 20% 50V C8118 1-136-189-00 MYLAR 0.1µF 10% C8073 1-162-970-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8074 1-104-665-11 ELECT 10µF 20% 25V C8120 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8075 1-162-970-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.01µF 10% C8075 1-162-970-11 CERAMIC CHIP 0.01µF 10% C8075 1-162-970-11 CERAMIC CHIP 0.01µF 10% C8077 1-162-970-11 CERAMIC CHIP 0.01µF 10% C8077 1-162-970-11 CERAMIC CHIP 0.01µF 10% C8077 1-162-970-11 CERAMIC CHIP 0.01µF 10% C8078 1-115-416-11 CERAMIC CHIP 0.01µF 20% 50V C8124 1-117-642-11 FILM 8200pF 3% C8079 1-126-964-11 ELECT 10µF 20% 50V C8125 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8079 1-126-964-11 ELECT 10µF 20% 50V C8126 1-106-357-00 MYLAR 0.0039µF 99% C8080 1-126-964-11 ELECT 10µF 20% 50V C8127 1-126-942-61 ELECT 100µF 20% C8082 1-165-176-11 CERAMIC CHIP 0.047µF 10% 16V C8131 1-128-582-11 ELECT 10µF 20% C8083 1-130-495-00 MYLAR 1.1µF 5% 50V C8132 1-128-927-11 ELECT 220µF 20% C8084 1-130-992-11 FILM 0.022µF 5% 50V C8133 1-107-649-11 ELECT 22µF 20% C8086 1-162-924-11 CERAMIC CHIP 0.01µF 10% 25V C8136 1-130-495-00 MYLAR 1.1µF 5% 50V C8133 1-107-649-11 ELECT 220µF 20% C8086 1-162-924-11 CERAMIC CHIP 0.01µF 10% 25V C8136 1-130-495-00 MYLAR 1.1µF 5% 50V C8133 1-107-649-11 ELECT 220µF 20% C8086 1-162-924-11 CERAMIC CHIP 0.01µF 10% 25V C8136 1-130-495-00 MYLAR 0.1µF 5% 50V C8136 1-162-964-11 ELECT 10µF 20% 50V C8137 1-126-964-11 ELECT 220µF 20% C8088 1-126-964-11 ELECT 10µF 20% 50V C8137 1-126-964-11 ELECT 220µF 20% C8088 1-126-964-11 ELECT 10µF 20% 50V C8139 1-126-964-11 ELECT 10µF | 16V                                     |
| C8072         1-126-964-11         ELECT         10µF         20%         50V         C8118         1-136-189-00         MYLAR         0.1µF         10%           C8073         1-162-970-11         CERAMIC CHIP         0.01µF         10%         25V         C8120         1-107-826-11         CERAMIC CHIP         0.1µF         10%           C8074         1-104-665-11         ELECT         100µF         20%         25V         C8121         1-115-349-51         CERAMIC         0.01µF         10%           C8075         1-162-970-11         CERAMIC CHIP         0.01µF         10%         25V         C8122         1-126-934-11         ELECT         22µF         20%         63V           C8077         1-162-970-11         CERAMIC CHIP         0.01µF         10%         25V         C8123         1-107-444-11         CERAMIC         100pF         5%           C8078         1-115-416-11         CERAMIC CHIP         0.01µF         5%         25V         C8125         1-107-826-11         ELECT         10µF         20%         50V         C8125         1-107-826-11         CERAMIC CHIP         0.1µF         10%         25V         C8125         1-107-826-11         ELECT         10µF         20%         25V  | 16V                                     |
| C8072         1-126-964-11         ELECT         10µF         20%         50V         C8118         1-136-189-00         MYLAR         0.1µF         10%           C8073         1-162-970-11         CERAMIC CHIP         0.01µF         10%         25V         C8120         1-107-826-11         CERAMIC CHIP         0.1µF         10%           C8074         1-104-665-11         ELECT         100µF         20%         25V         C8121         1-115-349-51         CERAMIC         0.01µF         10%           C8075         1-162-970-11         CERAMIC CHIP         0.01µF         10%         25V         C8122         1-126-934-11         ELECT         22µF         20%         63V           C8077         1-162-970-11         CERAMIC CHIP         0.01µF         10%         25V         C8123         1-107-444-11         CERAMIC         100pF         5%           C8078         1-115-416-11         CERAMIC CHIP         0.01µF         5%         25V         C8125         1-107-826-11         ELECT         10µF         20%         50V         C8125         1-107-826-11         CERAMIC CHIP         0.1µF         10%         25V         C8125         1-107-826-11         ELECT         10µF         20%         25V  | 500V                                    |
| C8073         1-162-970-11         CERAMIC CHIP         0.01μF         10%         25V         C8120         1-107-826-11         CERAMIC CHIP         0.1μF         10%           C8074         1-104-665-11         ELECT         100μF         20%         25V         C8121         1-115-349-51         CERAMIC         0.01μF         10%           C8075         1-162-970-11         CERAMIC CHIP         0.01μF         10%         25V         C8122         1-126-934-11         ELECT         22μF         20%           C8077         1-162-970-11         CERAMIC CHIP         0.01μF         10%         25V         C8123         1-107-444-11         CERAMIC CHIP         0.01μF         10%         25V         C8124         1-117-642-11         FILM         8200pF         3%           C8073         1-154-16-11         CERAMIC CHIP         0.001μF         5%         25V         C8124         1-117-642-11         FILM         8200pF         3%           C8079         1-126-964-11         ELECT         10μF         20%         50V         C8125         1-106-357-00         MYLAR         0.0μF         10%           C8080         1-126-964-11         ELECT         10μF         25V         C8129         1-137-150-11<   | 250V                                    |
| C8074         1-104-665-11         ELECT         100μF         20%         25V         C8121         1-115-349-51         CERAMIC         0.01μF         20%         25V         C8122         1-126-934-11         ELECT         220μF         20%         63V         C8122         1-126-934-11         ELECT         220μF         20%         63V         C8122         1-126-934-11         ELECT         220μF         20%         63V         C8123         1-107-444-11         CERAMIC         100pF         5%         25V         C8123         1-107-444-11         CERAMIC         100pF         5%         26V         C8123         1-107-444-11         CERAMIC CHIP         0.01μF         10%         25V         C8124         1-117-642-11         FILM         8200pF         3%         C8079         1-126-964-11         ELECT         10μF         20%         50V         C8126         1-106-357-00         MYLAR         0.003pF         99%         C8080         1-126-964-11         ELECT         10μF         20%         50V         C8127         1-126-942-61         ELECT         100μF         20%         C8127         1-126-942-61         ELECT         100μF         20%         C8127         1-126-942-61         ELECT         100μF         20% <td< td=""><td>16V</td></td<>  | 16V                                     |
| C8075         1-162-970-11         CERAMIC CHIP         0.01μF         10%         25V         C8122         1-126-934-11         ELECT         22μF         20%           C8076         1-128-551-11         ELECT         22μF         20%         63V         C8123         1-107-444-11         CERAMIC         100pF         5%           C8077         1-162-970-11         CERAMIC CHIP         0.01μF         10%         25V         C8124         1-117-444-11         ELECT         10pF         5%           C8078         1-115-416-11         CERAMIC CHIP         0.001μF         5%         25V         C8125         1-107-826-11         CERAMIC CHIP         0.1μF         10%           C8079         1-126-964-11         ELECT         10μF         20%         50V         C8126         1-106-357-00         MYLAR         0.0039μF         99%           C8080         1-126-964-11         ELECT         10μF         20%         50V         C8129         1-137-150-11         FILM         0.1μF         5%           C8081         1-115-416-11         CERAMIC CHIP         0.047μF         10%         16V         C8129         1-137-150-11         FILM         0.1μF         5%           C8082         1-16  | 2KV                                     |
| C8077         1-162-970-11         CERAMIC CHIP CHIP CROWN         0.01μF         10% 25V         Image: Control  | 16V                                     |
| C8077         1-162-970-11         CERAMIC CHIP CHIP CROWN         0.01μF         10% 25V         Image: Control  | 2KV                                     |
| C8078         1-115-416-11         CERAMIC CHIP         0.001μF         5%         25V         C8125         1-107-826-11         CERAMIC CHIP         0.1μF         10%           C8079         1-126-964-11         ELECT         10μF         20%         50V         C8126         1-106-357-00         MYLAR         0.0039μF         99%           C8080         1-126-964-11         ELECT         10μF         20%         50V         C8127         1-126-942-61         ELECT         1000μF         20%           C8081         1-115-416-11         CERAMIC CHIP         0.001μF         5%         25V         C8129         1-137-150-11         FILM         .01μF         5%           C8082         1-165-176-11         CERAMIC CHIP         0.047μF         10%         16V         C8131         1-128-582-11         ELECT         10μF         20%           C8083         1-130-495-00         MYLAR         .1μF         5%         50V         C8132         1-126-927-11         ELECT         220μF         20%           C8084         1-130-992-11         FILM         0.022μF         5%         50V         C8133         1-107-649-11         ELECT         2.2μF         20%           C8085         1-162-970  | 1.2KV                                   |
| C8079         1-126-964-11         ELECT         10μF         20%         50V         C8126         1-106-357-00         MYLAR         0.0039μF         99%           C8080         1-126-964-11         ELECT         10μF         20%         50V         C8127         1-126-942-61         ELECT         1000μF         20%           C8081         1-115-416-11         CERAMIC CHIP         0.001μF         5%         25V         C8129         1-137-150-11         FILM         .01μF         5%           C8082         1-165-176-11         CERAMIC CHIP         0.047μF         10%         16V         C8131         1-128-582-11         ELECT         10μF         20%           C8083         1-130-495-00         MYLAR         .1μF         5%         50V         C8132         1-126-927-11         ELECT         10μF         20%           C8084         1-130-992-11         FILM         0.022μF         5%         50V         C8133         1-107-649-11         ELECT         2.2μF         20%           C8085         1-162-970-11         CERAMIC CHIP         56pF         5%         50V         C8135         1-117-813-11         FILM         0.1μF         5%           C8086         1-162-960-11  | 16V                                     |
| C8080 1-126-964-11 ELECT 10μF 20% 50V C8127 1-126-942-61 ELECT 1000μF 20%  C8081 1-115-416-11 CERAMIC CHIP 0.001μF 5% 25V C8129 1-137-150-11 FILM .01μF 5%  C8082 1-165-176-11 CERAMIC CHIP 0.047μF 10% 16V C8131 1-128-582-11 ELECT 10μF 20%  C8083 1-130-495-00 MYLAR .1μF 5% 50V C8132 1-126-927-11 ELECT 2200μF 20%  C8084 1-130-992-11 FILM 0.022μF 5% 50V C8133 1-107-649-11 ELECT 2.2μF 20%  C8085 1-162-924-11 CERAMIC CHIP 56pF 5% 50V C8135 1-117-813-11 FILM 0.75μF 5%  C8086 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8136 1-130-495-00 MYLAR 0.1μF 5%  C8087 1-126-960-11 ELECT 1μF 20% 50V C8137 1-126-927-11 ELECT 2200μF 20%  C8088 1-126-964-11 ELECT 10μF 20% 50V C8138 1-162-927-11 ELECT 2200μF 20%  C8089 1-104-332-11 CERAMIC 470pF 10% 2KV C8139 1-126-964-11 CERAMIC CHIP 0.001μF 10%  C8090 1-126-960-11 ELECT 1μF 20% 50V C8140 1-102-030-00 CERAMIC 330pF 10%   | 200V                                    |
| C8081 1-115-416-11 CERAMIC CHIP 0.001μF 5% 25V C8129 1-137-150-11 FILM .01μF 5% C8082 1-165-176-11 CERAMIC CHIP 0.047μF 10% 16V C8131 1-128-582-11 ELECT 10μF 20% C8083 1-130-495-00 MYLAR .1μF 5% 50V C8132 1-126-927-11 ELECT 2200μF 20% C8084 1-130-992-11 FILM 0.022μF 5% 50V C8133 1-107-649-11 ELECT 2.2μF 20% C8085 1-162-924-11 CERAMIC CHIP 56pF 5% 50V C8135 1-117-813-11 FILM 0.75μF 5% C8087 1-126-960-11 ELECT 1μF 20% 50V C8137 1-126-927-11 ELECT 2200μF 20% C8088 1-126-964-11 ELECT 10μF 20% 50V C8137 1-126-964-11 ELECT 2200μF 20% C8088 1-104-332-11 CERAMIC HIP 0.001μF 10% 25V C8138 1-162-964-11 CERAMIC CHIP 0.001μF 10% C8089 1-104-332-11 CERAMIC HIP 20% 50V C8139 1-126-964-11 ELECT 10μF 20% C8090 1-126-960-11 ELECT 1μF 20% 50V C8139 1-126-964-11 ELECT 10μF 20% C8130 1-102-030-00 CERAMIC CHIP 0.001μF 10% C8139 1-126-964-11 ELECT 10μF 20% C8130 1-102-030-00 CERAMIC 330pF 10%   | 25V                                     |
| C8082         1-165-176-11         CERAMIC CHIP         0.047μF         10%         16V         C8131         1-128-582-11         ELECT         10μF         20%           C8083         1-130-495-00         MYLAR         .1μF         5%         50V         C8132         1-126-927-11         ELECT         2200μF         20%           C8084         1-130-992-11         FILM         0.022μF         5%         50V         C8133         1-107-649-11         ELECT         2.2μF         20%           C8085         1-162-924-11         CERAMIC CHIP         56pF         5%         50V         C8135         1-117-813-11         FILM         0.75μF         5%           C8086         1-162-970-11         CERAMIC CHIP         0.01μF         10%         25V         C8136         1-130-495-00         MYLAR         0.1μF         5%           C8087         1-126-960-11         ELECT         1μF         20%         50V         C8136         1-130-495-00         MYLAR         0.1μF         5%           C8088         1-126-960-11         ELECT         1μF         20%         50V         C8137         1-126-964-11         CERAMIC CHIP         0.001μF         10%           C8090         1-104-332-11 <td>201</td>   | 201                                     |
| C8083       1-130-495-00       MYLAR       .1μF       5%       50V       C8132       1-126-927-11       ELECT       2200μF       20%         C8084       1-130-992-11       FILM       0.022μF       5%       50V       C8133       1-107-649-11       ELECT       2.2μF       20%         C8085       1-162-924-11       CERAMIC CHIP       56pF       5%       50V       C8135       1-117-813-11       FILM       0.75μF       5%         C8086       1-162-970-11       CERAMIC CHIP       0.01μF       10%       25V       C8136       1-130-495-00       MYLAR       0.1μF       5%         C8087       1-126-960-11       ELECT       1μF       20%       50V       C8136       1-130-495-00       MYLAR       0.1μF       5%         C8088       1-126-960-11       ELECT       1μF       20%       50V       C8137       1-126-967-11       ELECT       2200μF       20%         C8089       1-104-332-11       CERAMIC       470pF       10%       2KV       C8139       1-126-964-11       ELECT       10μF       20%         C8090       1-126-960-11       ELECT       1μF       20%       50V       C8140       1-102-030-00       CERAMIC       3  | 100V                                    |
| C8084       1-130-992-11       FILM       0.022μF       5%       50V       C8133       1-107-649-11       ELECT       2.2μF       20%         C8085       1-162-924-11       CERAMIC CHIP       56pF       5%       50V       C8135       1-117-813-11       FILM       0.75μF       5%         C8086       1-162-970-11       CERAMIC CHIP       0.01μF       10%       25V       C8136       1-130-495-00       MYLAR       0.1μF       5%         C8087       1-126-960-11       ELECT       1μF       20%       50V       C8136       1-130-495-00       MYLAR       0.1μF       5%         C8088       1-126-960-11       ELECT       1μF       20%       50V       C8137       1-126-927-11       ELECT       2200μF       20%         C8089       1-104-332-11       CERAMIC       470pF       10%       2KV       C8139       1-126-964-11       ELECT       10μF       20%         C8090       1-126-960-11       ELECT       1μF       20%       50V       C8140       1-102-030-00       CERAMIC       330pF       10%   | 100V                                    |
| C8085 1-162-924-11 CERAMIC CHIP 56pF 5% 50V C8135 1-117-813-11 FILM 0.75μF 5%  C8086 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8136 1-130-495-00 MYLAR 0.1μF 5%  C8087 1-126-960-11 ELECT 1μF 20% 50V C8137 1-126-927-11 ELECT 2200μF 20%  C8088 1-126-964-11 ELECT 10μF 20% 50V C8138 1-162-964-11 CERAMIC CHIP 0.001μF 10%  C8089 1-104-332-11 CERAMIC 470pF 10% 2KV C8139 1-126-964-11 ELECT 10μF 20%  C8090 1-126-960-11 ELECT 1μF 20% 50V C8140 1-102-030-00 CERAMIC 330pF 10%   | 10V                                     |
| C8086 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8136 1-130-495-00 MYLAR 0.1μF 5% C8087 1-126-960-11 ELECT 1μF 20% 50V C8137 1-126-927-11 ELECT 2200μF 20% C8088 1-126-964-11 ELECT 10μF 20% 50V C8138 1-162-964-11 CERAMIC CHIP 0.001μF 10% C8089 1-104-332-11 CERAMIC 470μF 10% 2ΚV C8139 1-126-964-11 ELECT 10μF 20%  | 250V                                    |
| C8087       1-126-960-11       ELECT       1μF       20%       50V       C8137       1-126-927-11       ELECT       2200μF       20%         C8088       1-126-964-11       ELECT       10μF       20%       50V       C8138       1-162-964-11       CERAMIC CHIP       0.001μF       10%         Δ       C8089       1-104-332-11       CERAMIC       470pF       10%       2KV       C8139       1-126-964-11       ELECT       10μF       20%         C8090       1-126-960-11       ELECT       1μF       20%       50V       C8140       1-102-030-00       CERAMIC       330pF       10%   | 250V                                    |
| C8088       1-126-964-11       ELECT       10μF       20%       50V       C8138       1-162-964-11       CERAMIC CHIP       0.001μF       10%         Δ       C8089       1-104-332-11       CERAMIC       470pF       10%       2KV       C8139       1-126-964-11       ELECT       10μF       20%         C8090       1-126-960-11       ELECT       1μF       20%       50V       C8140       1-102-030-00       CERAMIC       330pF       10%  | 50V                                     |
| ⚠ C8089       1-104-332-11       CERAMIC       470pF       10%       2KV       C8139       1-126-964-11       ELECT       10μF       20%         C8090       1-126-960-11       ELECT       1μF       20%       50V       C8140       1-102-030-00       CERAMIC       330pF       10%  | 10V                                     |
| C8090 1-126-960-11 ELECT 1µF 20% 50V C8140 1-102-030-00 CERAMIC 330pF 10%   | 50V                                     |
|   | 50V                                     |
| C8001 1-10/-665-11 FLECT 100:-E 20% 25\/ C81/4 1 4:0 027 44 CEDAMIC CHID 100-E 50/  | 500V                                    |
| 00001 1-104-000-11 LLLO1 100µF 20/0 20V   00141 1-102-32/1-11 GERAIVIIG GHF 100PF 3%  | 50V                                     |
| C8092 1-117-640-11 FILM 6800pF 3% 1.2KV C8142 1-117-664-11 FILM 0.27µF 5%   | 250V                                    |
| C8093 1-107-648-91 ELECT 100µF 20% 200V C8143 1-109-889-11 ELECT 1µF 20%  | 50V                                     |
| C8094 1-126-947-11 ELECT 47µF 20% 35V C8153 1-126-960-11 ELECT 1µF 20%  | 50V                                     |
| C8095 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8156 1-107-636-11 ELECT 10μF 20%  | 160V                                    |
| C8096 1-136-684-51 FILM 0.0022µF 2.00% 100V C8158 1-107-826-11 CERAMIC CHIP 0.1µF 10%   | 16V                                     |
| C8097 1-162-131-11 CERAMIC 220pF 10% 2KV C8159 1-106-383-00 MYLAR 0.047μF 10%   | 200V                                    |
| C8098 1-162-131-11 CERAMIC 220pF 10% 2KV C8160 1-127-715-91 CERAMIC CHIP 0.22µF 10%   | 16V                                     |
| C8099 1-115-416-11 CERAMIC CHIP 0.001µF 5% 25V C8162 1-162-318-11 CERAMIC 0.001µF 10%   | 500V                                    |
| C8100 1-104-665-11 ELECT 100μF 20% 25V C8163 1-126-960-11 ELECT 1μF 20%   | 50V                                     |
| C8102 1-162-318-11 CERAMIC 0.001µF 10% 500V <u>CONNECTOR</u>  |   |
| C8103 1-126-964-11 FLECT 10uF 20% 50V   |   |
| C8104 1-162-965-11 CERAMIC CHIP 0.0015uF 10% 50V  |   |
| C8105 1-107-826-11 CERAMIC CHIP 0.1µF 10% 16V * CN8003 1-691-135-11 PIN, CONNECTOR (PC BOARD) 4P  |   |



|   | REF.NO. | PART NO.     | DESCRIPTION        | VALUES        | 3    | REF.NO. | PART NO.     | DESCRIPTION | VALUES          |
|---|---------|--------------|--------------------|---------------|------|---------|--------------|-------------|-----------------|
| * | CN8004  | 1-779-890-11 | CONNECTOR, BOARD   | TO BOARD      | 10P  | D8032   | 8-719-302-43 | DIODE       | EL1Z            |
| * | CN8005  | 1-779-890-11 | CONNECTOR, BOARD   |               |      | D8033   | 8-719-028-72 | DIODE       | RGP02-17EL-6433 |
| * | CN8006  | 1-779-890-11 | CONNECTOR, BOARD   |               |      | D8036   | 8-719-110-39 | DIODE       | RD15ESB1        |
| * | CN8007  | 1-564-506-11 | PLUG, CONNECTOR    | , 10 50, 1115 | 3P   | D8037   | 8-719-028-45 | DIODE       | D2L20U          |
| * | CN8008  | 1-564-506-11 | PLUG, CONNECTOR    |               | 3P   | D8038   | 8-719-302-43 | DIODE       | EL1Z            |
|   | 0110000 | 1-304-300-11 | 1 LOO, CONNECTOR   |               | OI . | D0030   | 0-713-302-43 | DIODL       | LLIL            |
| * | CN8009  | 1-564-506-11 | PLUG, CONNECTOR    |               | 3P   | D8039   | 8-719-028-72 | DIODE       | RGP02-17EL-6433 |
| * | CN8010  | 1-564-507-11 | PLUG, CONNECTOR    |               | 4P   | D8043   | 8-719-991-33 | DIODE       | 1SS133T-77      |
| * | CN8011  | 1-564-507-11 | PLUG, CONNECTOR    |               | 4P   | D8045   | 8-719-908-03 | DIODE       | GP08D           |
| * | CN8012  | 1-564-507-11 | PLUG, CONNECTOR    |               | 4P   | D8046   | 8-719-991-33 | DIODE       | 1SS133T-77      |
| * | CN8013  | 1-766-177-11 | PIN, CONNECTOR (PC | BOARD)        | 9P   | D8047   | 8-719-991-33 | DIODE       | 1SS133T-77      |
|   |         |              | ,                  | ,             |      | D8050   | 8-719-988-61 | DIODE       | 1SS355TE-17     |
| * | CN8015  | 1-506-371-00 | PIN, CONNECTOR     |               | 2P   |         |              |             |                 |
| * | CN8016  | 1-564-507-11 | PLUG, CONNECTOR    |               | 4P   |         | FERRITE BEAD |             |                 |
|   | CN8018  | 1-580-689-11 | PIN, CONNECTOR (PC | BOARD)        | 4P   |         |              |             |                 |
| * | CN8019  | 1-580-689-11 | PIN, CONNECTOR (PC | BOARD)        | 4P   | FB8001  | 1-469-578-11 | FERRITE     | 1.1µH           |
| * | CN8020  | 1-580-689-11 | PIN, CONNECTOR (PC | BOARD)        | 4P   | FB8002  | 1-469-578-11 | FERRITE     | 1.1µH           |
|   |         |              | ,                  | ,             |      | FB8005  | 1-469-869-21 | FERRITE     | 0μH             |
| * | CN8022  | 1-564-510-11 | PLUG, CONNECTOR    |               | 7P   | FB8006  | 1-469-869-21 | FERRITE     | 0μH             |
| * | CN8023  | 1-564-507-11 | PLUG, CONNECTOR    |               | 4P   | FB8014  | 1-469-869-21 | FERRITE     | 0μΗ             |
|   |         |              | ,                  |               |      |         |              |             |                 |
|   |         | DIODE        |                    |               |      | FB8015  | 1-469-869-21 | FERRITE     | 0μΗ             |
|   |         |              |                    |               |      | FB8016  | 1-469-869-21 | FERRITE     | 0μΗ             |
|   | D8001   | 8-719-109-88 | DIODE              | RD5.6ESE      |      | FB8017  | 1-469-869-21 | FERRITE     | 0μH             |
|   | D8002   | 8-719-110-53 | DIODE              | RD20ESB       |      | FB8018  | 1-469-869-21 | FERRITE     | 0μH             |
|   | D8003   | 8-719-110-56 | DIODE              | RD22ESB       | 1    | FB8021  | 1-469-578-11 | FERRITE     | 1.1µH           |
|   | D8004   | 8-719-908-03 | DIODE              | GP08D         |      |         |              |             |                 |
|   | D8005   | 8-719-991-33 | DIODE              | 1SS133T-      | 77   | FB8022  | 1-469-579-11 | FERRITE     | 0.45µH          |
|   |         |              |                    |               |      | FB8023  | 1-469-579-11 | FERRITE     | 0.45µH          |
|   | D8006   | 8-719-991-33 | DIODE              | 1SS133T-      | 77   | FB8024  | 1-469-869-21 | FERRITE     | 0μΗ             |
|   | D8008   | 8-719-991-33 | DIODE              | 1SS133T-      | 77   |         |              |             |                 |
|   | D8010   | 8-719-991-33 | DIODE              | 1SS133T-      | 77   |         | <u>IC</u>    |             |                 |
|   | D8011   | 8-719-991-33 | DIODE              | 1SS133T-      | 77   | 100004  | 0.740.040.00 | 10          | OTI/202 FC0     |
|   | D8012   | 8-719-991-33 | DIODE              | 1SS133T-      | 77   | IC8001  | 8-749-019-08 | IC          | STK392-560      |
|   |         |              |                    |               |      | IC8002  | 8-749-019-08 | IC          | STK392-560      |
|   | D8013   | 8-719-109-84 | DIODE              | RD5.1ESE      | 31   | IC8003  | 8-759-593-33 | IC          | LA78045         |
|   | D8014   | 8-719-109-84 | DIODE              | RD5.1ESE      | 31   | IC8004  | 8-759-647-17 | IC          | UPC2912HF       |
|   | D8015   | 8-719-991-33 | DIODE              | 1SS133T-      | 77   | IC8005  | 8-759-585-82 | IC          | BA9759F-E2      |
|   | D8016   | 8-719-991-33 | DIODE              | 1SS133T-      | 77   | 100000  | 0.750.700.07 | 10          | N. IN 10000014  |
|   | D8019   | 8-719-991-33 | DIODE              | 1SS133T-      | 77   | IC8006  | 8-759-700-07 | IC          | NJM2903M        |
|   |         |              |                    |               |      | IC8007  | 8-759-700-07 | IC          | NJM2903M        |
|   | D8020   | 8-719-991-33 | DIODE              | 1SS133T-      | 77   | IC8008  | 8-759-585-82 | IC          | BA9759F-E2      |
|   | D8022   | 8-719-991-33 | DIODE              | 1SS133T-      | 77   | IC8009  | 8-759-803-42 | IC          | LA6500-FA       |
|   | D8023   | 8-719-991-33 | DIODE              | 1SS133T-      |      | IC8012  | 8-759-701-01 | IC          | NJM2904M        |
|   | D8024   | 8-719-110-39 | DIODE              | RD15ESB       |      |         |              |             |                 |
|   | D8025   | 8-719-991-33 | DIODE              | 1SS133T-      |      |         | <u>COIL</u>  |             |                 |
|   |         |              |                    |               |      | L8001   | 1-412-533-21 | INDUCTOR    | 47µH            |
|   | D8026   | 8-719-109-88 | DIODE              | RD5.6ESE      | 31   | L8002   | 1-412-533-21 | INDUCTOR    | 47μH            |
|   | D8027   | 8-719-028-45 | DIODE              | D2L20U        |      | L8003   | 1-412-525-31 | INDUCTOR    | 47μ11<br>10μH   |
|   | D8028   | 8-719-110-41 | DIODE              | RD15ESB       | 2    | L8004   | 1-412-523-51 | INDUCTOR    | 47μH            |
|   | D8029   | 8-719-027-43 | DIODE              | S2L20µF       |      | L8005   | 1-412-533-21 | INDUCTOR    | 47μH            |
|   | D8030   | 8-719-027-43 | DIODE              | S2L20µF       |      |         | 1 714-000-41 | HADOUTON    | τιμιι           |
|   |         |              | -                  |               |      |         |              |             |                 |

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



| REF.NO  | D. PART NO.    | DESCRIPTION          | VALUES           | REF.NO. | PART NO.     | DESCRIPTION | VAL    | UES         |         |
|---------|----------------|----------------------|------------------|---------|--------------|-------------|--------|-------------|---------|
| L8006   | 1-412-525-31   | INDUCTOR             | 10µH             | Q8015   | 8-729-120-28 | TRANSISTOR  | 2SC162 | 23-L5L6     |         |
| L8007   | 1-412-533-21   | INDUCTOR             | 47µH             | Q8016   | 8-729-120-28 | TRANSISTOR  | 2SC162 | 23-L5L6     |         |
| L8008   | 1-412-533-21   | INDUCTOR             | 47µH             | Q8019   | 8-729-026-49 | TRANSISTOR  | 2SA103 | 7AK-T146    | -R      |
| L8009   | 1-412-525-31   | INDUCTOR             | 10μH             | Q8020   | 8-729-120-28 | TRANSISTOR  | 2SC162 | 23-L5L6     |         |
| L8010   | 1-414-187-11   | INDUCTOR             | 47µH             | Q8021   | 8-729-120-28 | TRANSISTOR  | 2SC162 | 23-L5L6     |         |
| L8011   | 1-414-856-11   | INDUCTOR             | 10µH             | Q8022   | 8-729-120-28 | TRANSISTOR  | 2SC162 | 23-L5L6     |         |
| L8012   | 1-414-187-11   | INDUCTOR             | 47μH             | Q8023   | 8-729-048-47 | TRANSISTOR  |        | 88(5)-LK    |         |
| L8013   | 1-414-856-11   | INDUCTOR             | 10µH             | Q8024   | 6-550-144-01 | TRANSISTOR  | 2SC577 |             |         |
| L8014   | 1-414-189-31   | INDUCTOR             | 100µH            | Q8027   | 6-550-153-01 | TRANSISTOR  |        | 2P20XDTU    |         |
| L8015   | 1-414-189-31   | INDUCTOR             | 100µH            | Q8028   | 8-729-120-28 | TRANSISTOR  | 2SC162 |             |         |
| L8016   | 1-412-537-31   | INDUCTOR             | 100µH            | Q8029   | 8-729-120-28 | TRANSISTOR  | 2SC162 | 23-1 51 6   |         |
| L8017   | 1-414-856-11   | INDUCTOR             | 10μH             | Q8030   | 8-729-026-49 | TRANSISTOR  |        | 37AK-T146   | .R      |
| L8018   | 1-406-667-11   | INDUCTOR             | 220µH            | Q8031   | 8-729-120-28 | TRANSISTOR  | 2SC162 |             | IX.     |
| L8019   | 1-456-109-11   | COIL,HORIZONTAL      |                  | Q8035   | 6-550-153-01 | TRANSISTOR  |        | 2P20XDTU    |         |
| L8020   | 1-412-525-31   | INDUCTOR             | 10µH             | Q8039   | 8-729-048-47 | TRANSISTOR  | 2SC268 |             |         |
| 1.0004  | 1 40C CEO 11   | INDUCTOR             | 40v.LI           | 09044   | 0.700.006.40 | TDANICICTOD | 201102 | 7AV T446    | n       |
| L8021   | 1-406-659-11   | INDUCTOR<br>INDUCTOR | 10µH             | Q8041   | 8-729-026-49 | TRANSISTOR  |        | 37AK-T146   | ·ĸ      |
| L8022   | 1-412-552-11   |                      | 2.2MH            | Q8042   | 8-729-048-47 | TRANSISTOR  | 2SC268 |             |         |
| L8025   | 1-414-856-11   | INDUCTOR             | 10µH             | Q8043   | 6-550-144-01 | TRANSISTOR  | 2SC577 |             | D       |
| L8026   | 1-414-856-11   | INDUCTOR             | 10µH             | Q8101   | 8-729-026-49 | TRANSISTOR  | 25A103 | 37AK-T146   | ·K      |
| L8033   | 1-414-856-11   | INDUCTOR             | 10μΗ             |         | RESISTOR     |             |        |             |         |
|         | NEON LAMP      |                      |                  | R8001   | 1-216-825-11 | METAL CHIP  | 2.2K   | 5%          | 1/10W   |
| ⚠ NL800 | 1 1-517-778-21 | LAMP, NEON           |                  | R8002   | 1-216-809-11 | METAL CHIP  | 100    | 5%          | 1/10W   |
|         |                | ,                    |                  | R8003   | 1-216-809-11 | METAL CHIP  | 100    | 5%          | 1/10W   |
|         | <u>IC LINK</u> |                      |                  | R8004   | 1-216-809-11 | METAL CHIP  | 100    | 5%          | 1/10W   |
| ٨       |                |                      |                  | R8005   | 1-215-875-11 | METAL OXIDE | 10K    | 5%          | 1W      |
| ⚠ PS800 |                | IC LINK              | 3.15A 90V        |         |              | -           |        |             |         |
| ⚠ PS800 |                | IC LINK              | 3.15A 90V        | R8007   | 1-216-809-11 | METAL CHIP  | 100    | 5%          | 1/10W   |
| ⚠ PS800 |                | IC LINK              | 3.15A 90V        | R8008   | 1-216-809-11 | METAL CHIP  | 100    | 5%          | 1/10W   |
| ⚠ PS800 |                | IC LINK              | 3.15A 90V        | R8009   | 1-216-809-11 | METAL CHIP  | 100    | 5%          | 1/10W   |
| ⚠ PS800 | 5 1-533-595-31 | IC LINK              | 3.15A 90V        | R8010   | 1-260-131-11 | CARBON      | 470K   | 5%          | 1/2W    |
| ⚠ PS800 | 6 1-533-595-31 | IC LINK              | 3.15A 90V        | R8011   | 1-216-829-11 | METAL CHIP  | 4.7K   | 5%          | 1/10W   |
| ⚠ PS800 |                | IC LINK              | 2.5A 90V         | D0040   | 4 040 000 44 | METAL OLUB  | 4 71/  | <b>5</b> 0/ | 4/40\\\ |
| ⚠ PS800 |                | IC LINK              | 0.8A 50V         | R8012   | 1-216-829-11 | METAL CHIP  | 4.7K   | 5%          | 1/10W   |
|         |                |                      |                  | R8013   | 1-218-710-11 | METAL CHIP  | 5.6K   |             | 1/10W   |
|         | TRANSISTOR     |                      |                  | R8014   | 1-218-709-11 | METAL CHIP  | 5.1K   |             | 1/10W   |
|         |                |                      |                  | R8015   | 1-216-837-11 | METAL CHIP  | 22K    | 5%          | 1/10W   |
| Q8001   | 8-729-120-28   | TRANSISTOR           | 2SC1623-L5L6     | R8016   | 1-216-829-11 | METAL CHIP  | 4.7K   | 5%          | 1/10W   |
| Q8002   |                | TRANSISTOR           | 2SC4634LS-YB11   | D0047   | 4 040 000 44 | METAL CLUD  | 4 71/  | <b>F</b> 0/ | 4/40\\  |
| Q8003   |                | TRANSISTOR           | 2SA1037AK-T146-R | R8017   | 1-216-829-11 | METAL CHIP  | 4.7K   | 5%          | 1/10W   |
| Q8004   |                | TRANSISTOR           | 2SA1037AK-T146-R | R8018   | 1-216-821-11 | METAL CHIP  | 1K     | 5%          | 1/10W   |
| Q8007   | 8-729-046-80   | TRANSISTOR           | 2SC4634LS-CB11   | R8019   | 1-218-712-11 | METAL CHIP  | 6.8K   |             | 1/10W   |
|         |                |                      |                  | R8020   | 1-216-829-11 | METAL CHIP  | 4.7K   | 5%          | 1/10W   |
| Q8008   |                | TRANSISTOR           | 2SA1358-Y        | R8021   | 1-216-833-11 | METAL CHIP  | 10K    | 5%          | 1/10W   |
| Q8009   |                | TRANSISTOR           | 2SC3421-Y        | Bosos   | 4 040 000 44 | METAL CLUB  | 001/   | <b>E</b> 0/ | 4/40\4/ |
| Q8010   |                | TRANSISTOR           | 2SC1623-L5L6     | R8022   | 1-216-839-11 | METAL CHIP  | 33K    | 5%          | 1/10W   |
| Q8011   | 8-729-026-49   | TRANSISTOR           | 2SA1037AK-T146-R | R8023   | 1-216-833-11 | METAL CHIP  | 10K    | 5%          | 1/10W   |
| Q8014   | 8-729-120-28   | TRANSISTOR           | 2SC1623-L5L6     | R8024   | 1-216-833-11 | METAL CHIP  | 10K    | 5%          | 1/10W   |



| REF.NO. | PART NO.     | DESCRIPTION             | VALUE     | S     |                       | REF.NO.     | PART NO.     | DESCRIPTION    | VALU | JES      |          |
|---------|--------------|-------------------------|-----------|-------|-----------------------|-------------|--------------|----------------|------|----------|----------|
| R8025   | 1-216-829-11 | METAL CHIP              | 4.7K      | 5%    | 1/10W                 | R8073       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| R8026   | 1-216-829-11 | METAL CHIP              | 4.7K      | 5%    | 1/10W                 | R8075       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| R8029   | 1-216-829-11 | METAL CHIP              | 4.7K      | 5%    | 1/10W                 | R8076       | 1-216-829-11 | METAL CHIP     | 4.7K | 5%       | 1/10W    |
| R8030   | 1-215-903-11 | METAL OXIDE             | 68K       | 5%    | 2W                    | R8077       | 1-216-829-11 | METAL CHIP     | 4.7K | 5%       | 1/10W    |
| R8031   | 1-216-829-11 | METAL CHIP              | 4.7K      | 5%    | 1/10W                 | R8078       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| R8032   | 1-216-821-11 | METAL CHIP              | 1K        | 5%    | 1/10W                 | R8079       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
|         |              |                         |           |       |                       |             |              |                |      |          |          |
| R8033   | 1-216-833-11 | METAL CHIP              | 10K       | 5%    | 1/10W                 | R8080       | 1-216-353-00 | METAL OXIDE    | 2.2  | 5%       | 1W       |
| R8034   | 1-216-833-11 | METAL CHIP              | 10K       | 5%    | 1/10W                 | R8081       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| R8035   | 1-218-692-11 | METAL CHIP              | 1K        | 0.50% | 1/10W                 | R8082       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| R8036   | 1-214-800-11 | METAL                   | 2.2       | 1%    | 1/2W                  | R8083       | 1-216-821-11 | METAL CHIP     | 1K   | 5%       | 1/10W    |
| R8037   | 1-215-903-11 | METAL OXIDE             | 68K       | 5%    | 2W                    | R8084       | 1-216-833-11 | METAL CHIP     | 10K  | 5%       | 1/10W    |
| R8038   | 1-216-809-11 | METAL CHIP              | 100       | 5%    | 1/10W                 | R8085       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| D0000   | 4 044 000 44 | MATTAL                  | 0.0       | 40/   | 4/0\\                 | Doooc       | 4 044 000 44 | METAL          | 4.7  | 40/      | 4/01/1   |
| R8039   | 1-214-800-11 | METAL                   | 2.2       | 1%    | 1/2W                  | R8086       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| R8040   | 1-215-913-11 | METAL OXIDE             | 220       | 5%    | 3W                    | R8087       | 1-249-385-11 | CARBON         | 2.2  | 5%       | 1/4W     |
| R8041   | 1-218-709-11 | METAL CHIP              | 5.1K      |       | 1/10W                 | R8088       | 1-249-385-11 | CARBON         | 2.2  | 5%       | 1/4W     |
| R8042   | 1-216-826-11 | METAL CHIP              | 2.7K      | 5%    | 1/10W                 | R8089       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| R8043   | 1-218-740-11 | METAL CHIP              | 100K      |       | 1/10W                 | R8090       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| R8044   | 1-218-712-11 | METAL CHIP              | 6.8K      | 0.50% | 1/10W                 | R8091       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| R8045   | 1-214-808-11 | METAL                   | 4.7       | 1%    | 1/2W                  | R8092       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| R8046   | 1-214-808-11 | METAL                   | 4.7       | 1%    | 1/2W                  | R8093       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| R8047   | 1-215-857-71 | METAL OXIDE             | 10        | 5%    | 1W                    | R8094       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| R8048   | 1-414-189-31 | INDUCTOR                | 100µH     |       |                       | R8095       | 1-216-801-11 | METAL CHIP     | 22   | 5%       | 1/10W    |
| R8049   | 1-414-189-31 | INDUCTOR                | 100µH     |       |                       | R8096       | 1-216-801-11 | METAL CHIP     | 22   | 5%       | 1/10W    |
| R8050   | 1-216-833-11 | METAL CHIP              | 10K       | 5%    | 1/10W                 | R8097       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| Doord   | 4 044 000 44 | METAL                   | 4.7       | 40/   | 4 (0) 4 (             | Doon        | 4 044 000 44 | METAL          | 4.7  | 40/      | 4 (0) 11 |
| R8051   | 1-214-808-11 | METAL                   | 4.7       | 1%    | 1/2W                  | R8098       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| R8053   | 1-214-808-11 | METAL                   | 4.7       | 1%    | 1/2W                  | R8099       | 1-218-740-11 | METAL CHIP     | 100K |          | 1/10W    |
| R8055   | 1-218-748-11 | METAL CHIP              | 220K      | 0.50% | 1/10W                 | R8100       | 1-216-475-11 | METAL OXIDE    | 120  | 5%       | 3W       |
| R8056   | 1-216-829-11 | METAL CHIP              | 4.7K      | 5%    | 1/10W                 | R8101       | 1-216-475-11 | METAL OXIDE    | 120  | 5%       | 3W       |
| R8057   | 1-216-829-11 | METAL CHIP              | 4.7K      | 5%    | 1/10W                 | R8102       | 1-218-738-11 | METAL CHIP     | 82K  |          | 1/10W    |
| R8058   | 1-216-809-11 | METAL CHIP              | 100       | 5%    | 1/10W                 | R8103       | 1-216-816-11 | METAL CHIP     | 390  | 5%       | 1/10W    |
| R8059   | 1-214-808-11 | METAL                   | 4.7       | 1%    | 1/2W                  | R8104       | 1-216-832-11 | METAL CHIP     | 8.2K | 5%       | 1/10W    |
| R8060   | 1-214-808-11 | METAL                   | 4.7       | 1%    | 1/2W                  | R8105       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
| R8061   | 1-216-392-11 | METAL OXIDE             | 1.8       | 5%    | 3W                    | R8106       | 1-214-808-11 | METAL          | 4.7  | 1%       | 1/2W     |
|         |              | ,001 TO 9,700,000 ONLY) |           |       |                       | R8109       | 1-216-814-11 | METAL CHIP     | 270  | 5%       | 1/10W    |
| R8061   | 1-216-390-11 | METAL OXIDE             | 1.2       | 5%    | 3W                    | R8110       | 1-247-852-11 | CARBON         | 7.5K | 5%       | 1/4W     |
|         |              | ,001 AND UP ONLY)       |           |       |                       | R8111       | 1-216-819-11 | METAL CHIP     | 680  | 5%       | 1/10W    |
| R8062   | 1-260-107-11 | CARBON                  | 4.7K      | 5%    | 1/2W                  | R8112       | 1-216-824-11 | METAL CHIP     | 1.8K | 5%       | 1/10W    |
| R8063   | 1-214-808-11 | METAL                   | 4.7       | 1%    | 1/2W                  |             |              |                |      |          |          |
|         |              |                         |           |       |                       | R8113       | 1-216-475-11 | METAL OXIDE    | 120  | 5%       | 3W       |
| R8064   | 1-214-808-11 | METAL                   | 4.7       | 1%    | 1/2W                  | R8114       | 1-216-475-11 | METAL OXIDE    | 120  | 5%       | 3W       |
| R8065   | 1-260-328-11 | CARBON                  | 1K        | 5%    | 1/2W                  | R8115       | 1-216-475-11 | METAL OXIDE    | 120  | 5%       | 3W       |
| R8066   | 1-214-808-11 | METAL                   | 4.7       | 1%    | 1/2W                  | R8116       | 1-216-475-11 | METAL OXIDE    | 120  | 5%       | 3W       |
| R8067   | 1-214-808-11 | METAL                   | 4.7       | 1%    | 1/2W                  | R8117       | 1-216-833-11 | METAL CHIP     | 10K  | 5%       | 1/10W    |
| R8068   | 1-216-809-11 | METAL CHIP              | 100       | 5%    | 1/10W                 | R8118       | 1-216-833-11 | METAL CHIP     | 10K  | 5%       | 1/10W    |
| R8069   | 1-214-808-11 | METAL                   | 4.7       | 1%    | 1/2W                  | R8119       | 1-216-833-11 | METAL CHIP     | 10K  | 5%       | 1/10W    |
| R8070   | 1-214-808-11 | METAL                   | 4.7       | 1%    | 1/2W                  | R8120       | 1-216-833-11 | METAL CHIP     | 10K  | 5%<br>5% | 1/10W    |
| R8071   | 1-214-000-11 | METAL                   | 4.7<br>22 | 1%    | 1/4W                  | 1,0120      | 1-210-000-11 | WIL TAL OF IIF | IUN  | J /0     | 1/ 1000  |
| NOU!    | 1-210-001-00 | NIL IAL                 | <b>LL</b> | ı /0  | <sup>'/+</sup> '' — 1 | <b>26</b> — |              |                |      |          |          |

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| REF.NO.        | PART NO.                     | DESCRIPTION | VALUE        | S           |         | REF.NO.        | PART NO.     | DESCRIPTION | VALU         | ES          |               |
|----------------|------------------------------|-------------|--------------|-------------|---------|----------------|--------------|-------------|--------------|-------------|---------------|
| R8121          | 1-216-809-11                 | METAL CHIP  | 100          | 5%          | 1/10W   | R8170          | 1-218-716-11 | METAL CHIP  | 10K          | 0.50%       | 1/10W         |
| R8123          | 1-216-821-11                 | METAL CHIP  | 1K           | 5%          | 1/10W   | R8171          | 1-216-809-11 | METAL CHIP  | 100          | 5%          | 1/10W         |
| R8124          | 1-249-377-11                 | CARBON      | 0.47         | 5%          | 1/4W    | R8172          | 1-249-405-11 | CARBON      | 100          | 5%          | 1/4W          |
| R8125          | 1-216-816-11                 | METAL CHIP  | 390          | 5%          | 1/10W   | R8173          | 1-216-845-11 | METAL CHIP  | 100K         | 5%          | 1/10W         |
| R8126          | 1-216-823-11                 | METAL CHIP  | 1.5K         | 5%          | 1/10W   | R8174          | 1-249-425-11 | CARBON      | 4.7K         | 5%          | 1/4W          |
| R8128          | 1-216-833-11                 | METAL CHIP  | 10K          | 5%          | 1/10W   | R8176          | 1-218-740-11 | METAL CHIP  | 100K         | 0.50%       | 1/10W         |
| R8129          | 1-216-825-11                 | METAL CHIP  | 2.2K         | 5%          | 1/10W   | R8178          | 1-216-841-11 | METAL CHIP  | 47K          | 5%          | 1/10W         |
| R8130          | 1-216-825-11                 | METAL CHIP  | 2.2K         | 5%          | 1/10W   | R8179          | 1-414-189-31 | INDUCTOR    | 100µH        |             |               |
| R8131          | 1-216-833-11                 | METAL CHIP  | 10K          | 5%          | 1/10W   | R8180          | 1-216-841-11 | METAL CHIP  | 47K          | 5%          | 1/10W         |
| R8132          | 1-216-833-11                 | METAL CHIP  | 10K          | 5%          | 1/10W   | R8181          | 1-216-841-11 | METAL CHIP  | 47K          | 5%          | 1/10W         |
| R8133          | 1-215-923-00                 | METAL OXIDE | 10K          | 5%          | 3W      | R8182          | 1-218-748-11 | METAL CHIP  | 220K         | 0.50%       | 1/10W         |
| R8134          | 1-215-873-00                 | METAL OXIDE | 4.7K         | 5%          | 1W      | R8183          | 1-218-748-11 | METAL CHIP  | 220K         | 0.50%       | 1/10W         |
| R8135          | 1-215-923-00                 | METAL OXIDE | 10K          | 5%          | 3W      | R8189          | 1-249-377-11 | CARBON      | 0.47         | 5%          | 1/4W          |
| R8136          | 1-216-833-11                 | METAL CHIP  | 10K          | 5%          | 1/10W   | R8190          | 1-215-431-00 | METAL       | 2.7K         | 1%          | 1/4W          |
| R8137          | 1-218-740-11                 | METAL CHIP  | 100K         | 0.50%       | 1/10W   | R8191          | 1-215-429-00 | METAL       | 2.2K         | 1%          | 1/4W          |
| R8138          | 1-216-833-11                 | METAL CHIP  | 10K          | 5%          | 1/10W   | R8192          | 1-215-449-00 | METAL       | 15K          | 1%          | 1/4W          |
| R8139          | 1-216-827-11                 | METAL CHIP  | 3.3K         | 5%          | 1/10W   | R8193          | 1-215-449-00 | METAL       | 15K          | 1%          | 1/4W          |
| R8140          | 1-216-833-11                 | METAL CHIP  | 10K          | 5%          | 1/10W   | R8194          | 1-215-449-00 | METAL       | 15K          | 1%          | 1/4W          |
| R8141          | 1-216-827-11                 | METAL CHIP  | 3.3K         | 5%          | 1/10W   | R8195          | 1-215-449-00 | METAL       | 15K          | 1%          | 1/4W          |
| R8142          | 1-216-833-11                 | METAL CHIP  | 10K          | 5%          | 1/10W   | R8196          | 1-249-425-11 | CARBON      | 4.7K         | 5%          | 1/4W          |
| R8143          | 1-218-734-11                 | METAL CHIP  | 56K          | 0.50%       | 1/10W   | R8201          | 1-249-397-11 | CARBON      | 22           | 5%          | 1/4W          |
| R8144          | 1-216-809-11                 | METAL CHIP  | 100          | 5%          | 1/10W   | R8202          | 1-260-092-11 | CARBON      | 270          | 5%          | 1/2W          |
| R8145          | 1-218-716-11                 | METAL CHIP  | 10K          |             | 1/10W   | R8205          | 1-249-377-11 | CARBON      | 0.47         | 5%          | 1/4W          |
| R8146          | 1-218-716-11                 | METAL CHIP  | 10K          |             | 1/10W   | R8206          | 1-249-377-11 | CARBON      | 0.47         | 5%          | 1/4W          |
| R8147          | 1-218-710-11                 | METAL CHIP  | 5.6K         |             | 1/10W   | R8208          | 1-260-288-11 | CARBON      | 0.47         | 5%          | 1/2W          |
| R8148          | 1-218-740-11                 | METAL CHIP  | 100K         | 0.50%       | 1/10W   | R8209          | 1-216-833-11 | METAL CHIP  | 10K          | 5%          | 1/10W         |
| R8149          | 1-249-401-11                 | CARBON      | 47           | 5%          | 1/4W    | R8210          | 1-216-809-11 | METAL CHIP  | 100          | 5%          | 1/10W         |
| R8150          | 1-218-740-11                 | METAL CHIP  | 100K         |             | 1/10W   | R8211          | 1-215-906-11 | METAL OXIDE | 15           | 5%          | 3W            |
| R8151          | 1-218-692-11                 | METAL CHIP  | 1K           |             | 1/10W   | R8212          | 1-215-907-11 | METAL OXIDE | 22           | 5%          | 3W            |
| R8152          | 1-218-716-11                 | METAL CHIP  | 10K          |             | 1/10W   | R8213          | 1-216-821-11 | METAL CHIP  | 1K           | 5%          | 1/10W         |
| R8153          | 1-218-692-11                 | METAL CHIP  | 1K           | 0.50%       | 1/10W   | R8216          | 1-216-833-11 | METAL CHIP  | 10K          | 5%          | 1/10W         |
| R8154          | 1-218-728-11                 | METAL CHIP  | 33K          |             | 1/10W   | R8217          | 1-216-821-11 | METAL CHIP  | 1K           | 5%          | 1/10W         |
| R8155          | 1-215-469-00                 | METAL       | 100K         | 1%          | 1/4W    | R8218          | 1-260-123-11 | CARBON      | 100K         | 5%          | 1/2W          |
| R8156          | 1-215-469-00                 | METAL       | 100K         | 1%          | 1/4W    | R8219          | 1-249-377-11 | CARBON      | 0.47         | 5%          | 1/4W          |
| R8157          | 1-218-738-11                 | METAL CHIP  | 82K          |             | 1/10W   | R8220          | 1-216-821-11 | METAL CHIP  | 1K           | 5%          | 1/10W         |
| R8159          | 1-216-833-11                 | METAL CHIP  | 10K          | 5%          | 1/10W   | R8222          | 1-216-341-11 | METAL OXIDE | 0.22         | 5%          | 1W            |
| R8161          | 1-216-845-11                 | METAL CHIP  | 100K         | 5%<br>5%    | 1/10W   | R8223          | 1-218-748-11 | METAL CHIP  | 220K         |             | 1/10W         |
|                |                              | METAL CHIP  | 100K         | 5%<br>5%    | 1/10W   | R8224          | 1-210-740-11 | CARBON      | 220K<br>220K | 0.50%<br>5% | 1/10W         |
| R8163<br>R8164 | 1-216-845-11<br>1-218-734-11 | METAL CHIP  | 56K          | 5%<br>0.50% |         | R8224<br>R8225 | 1-260-127-11 | CARBON      | 220K<br>1    | 5%<br>5%    | 1/2VV<br>1/2W |
| R8165          | 1-249-425-11                 | CARBON      | 4.7K         | 5%          | 1/4W    | R8228          | 1-260-292-11 | CARBON      | 68           | 5%<br>5%    | 1/2W          |
| D0166          | 1-218-716-11                 | METAL CHIP  | 10K          | 0 500/      | 1/10W   | R8230          | 1-218-751-11 | METAL CHIP  | 300K         | 0 500/      | 1/10W         |
| R8166<br>R8167 | 1-210-710-11                 | INDUCTOR    | 100<br>100µH | 0.00%       | 1/ 1000 | R8232          | 1-216-751-11 | METAL OXIDE | 0.22         | 0.50%<br>5% | 1/10W         |
| R8168          |                              |             | 100µ⊓<br>100 | 5%          | 1/10W   | R8236          |              |             | 0.22<br>820K |             | 1/10W         |
|                | 1-216-809-11                 | METAL CHIP  |              |             |         |                | 1-218-917-11 | METAL CHIP  |              |             | 1/10W         |
| R8169          | 1-216-845-11                 | METAL CHIP  | 100K         | 5%          | 1/10W   | R8237          | 1-216-857-11 | METAL CHIP  | 1M           | 5%          | 1/1000        |

A component identified by this symbol indicates that it has been carefully factory-selected to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.



| REF.NO.              | PART NO.                     | DESCRIPTION                     | VALU      | ES       |       |     | REF.NO.          | PART NO.                     | DESCRIPTION                        | VALU               | ES     |         |
|----------------------|------------------------------|---------------------------------|-----------|----------|-------|-----|------------------|------------------------------|------------------------------------|--------------------|--------|---------|
| R8249                | 1-215-923-00                 | METAL OXIDE                     | 10K       | 5%       | 3W    |     |                  | RESISTOR                     |                                    |                    |        |         |
| R8250                | 1-215-923-00                 | METAL OXIDE                     | 10K       | 5%       | 3W    |     |                  |                              |                                    |                    |        |         |
| R8251                | 1-216-821-11                 | METAL CHIP                      | 1K        | 5%       | 1/10W |     | R9201            | 1-218-684-11                 | METAL CHIP                         | 470                |        | 1/10W   |
| R8253                | 1-216-816-11                 | METAL CHIP                      | 390       | 5%       | 1/10W |     | R9202            | 1-218-684-11                 | METAL CHIP                         | 470                |        | 1/10W   |
| R8254                | 1-216-823-11                 | METAL CHIP                      | 1.5K      | 5%       | 1/10W |     | R9203            | 1-218-684-11                 | METAL CHIP                         | 470                |        | 1/10W   |
|                      |                              |                                 |           |          |       |     | R9204            | 1-218-684-11                 | METAL CHIP                         | 470                |        | 1/10W   |
| R8255                | 1-215-873-00                 | METAL OXIDE                     | 4.7K      | 5%       | 1W    |     | R9205            | 1-218-688-11                 | METAL CHIP                         | 680                | 0.50%  | 1/10W   |
| R8256                | 1-249-401-11                 | CARBON                          | 47        | 5%       | 1/4W  |     | Bassa            |                              | METAL OLUB                         |                    | 0.500/ | 4/40144 |
| R8258                | 1-216-833-11                 | METAL CHIP                      | 10K       | 5%       | 1/10W |     | R9206            | 1-218-688-11                 | METAL CHIP                         | 680                |        | 1/10W   |
|                      |                              |                                 |           |          |       |     | R9207            | 1-218-692-11                 | METAL CHIP                         | 1K                 |        | 1/10W   |
|                      | TRANSFORMER                  |                                 |           |          |       |     | R9208            | 1-218-696-11                 | METAL CHIP                         | 1.5K               |        | 1/10W   |
| T0004                | 4 407 700 44                 | TO ANOTODIATO FED               | DITE (DET | -\       |       |     | R9209            | 1-218-700-11                 | METAL CHIP                         | 2.2K               |        | 1/10W   |
| T8001                | 1-437-708-11                 | TRANSFORMER, FER                |           | ,        |       |     | R9210            | 1-218-704-11                 | METAL CHIP                         | 3.3K               |        | 1/10W   |
| T8002                | 1-437-739-11                 | TRANSFORMER, FER                |           | •        |       |     | R9211            | 1-218-712-11                 | METAL CHIP                         | 6.8K               | 0.50%  | 1/10W   |
| T8003                | 1-437-401-21                 | FERRITE TRANSFORM               | ,         | ,        |       |     |                  | CWITCH                       |                                    |                    |        |         |
| ⚠ T8004              | 1-437-399-21                 | TRANSFORMER, FER                |           | )        |       |     |                  | <u>SWITCH</u>                |                                    |                    |        |         |
| ⚠ T8005              | 1-453-285-51                 | FBT ASSY, NX-4006//X            |           | ۲\       |       |     | S9201            | 1-572-198-11                 | SWITCH, KEYBOARD                   |                    |        |         |
| T8006                | 1-437-739-11                 | TRANSFORMER, FER                | KITE (HDI | )        |       |     | S9202            | 1-572-198-11                 | SWITCH, KEYBOARD                   |                    |        |         |
|                      | THEDMISTOR                   |                                 |           |          |       |     | S9203            | 1-572-198-11                 | SWITCH, KEYBOARD                   |                    |        |         |
|                      | <u>THERMISTOR</u>            |                                 |           |          |       |     | S9204            | 1-572-198-11                 | SWITCH, KEYBOARD                   |                    |        |         |
| TH8001               | 1-800-193-00                 | THERMISTOR                      |           |          |       |     | S9205            | 1-572-198-11                 | SWITCH, KEYBOARD                   |                    |        |         |
|                      | VARIABLE RESIS               | STOR                            |           |          |       |     | S9206            | 1-572-198-11                 | SWITCH, KEYBOARD                   |                    |        |         |
| ^ <b>-</b>           |                              |                                 |           |          |       |     | S9207            | 1-572-198-11                 | SWITCH, KEYBOARD                   |                    |        |         |
| <b>⚠ V</b> R8001     | 1-225-627-91                 | RES, VAR, ADJ, CERM             |           | 2K       |       |     | S9208            | 1-572-198-11                 | SWITCH, KEYBOARD                   |                    |        |         |
| <b>⚠ V</b> R8002     | 1-225-630-91                 | RES, VAR, ADJ, CERM             | IET       | 20K      |       |     | S9209            | 1-572-198-11                 | SWITCH, KEYBOARD                   |                    |        |         |
| SR                   |                              |                                 |           |          |       |     | S9210            | 1-572-198-11                 | SWITCH, KEYBOARD                   |                    |        |         |
|                      | A-1400-759-A                 | SR BOARD, MOUN                  | TED       |          |       |     | S9211            | 1-572-198-11                 | SWITCH, KEYBOARD                   |                    |        |         |
|                      | A-1400-759-A                 | SK BOAKD, MOUN                  | IED       |          |       |     | S9212            | 1-572-198-11                 | SWITCH, KEYBOARD                   |                    |        |         |
|                      | CONNECTOR                    |                                 |           |          |       | ╽╽┠ | <b>⊣</b> 1∣      |                              |                                    |                    |        |         |
| * CN9901             | 1-564-506-11                 | PLUG, CONNECTOR                 | 3P        |          |       | *   |                  | A-1405-148-A                 | H1 BOARD, MOUNT                    | ΓED                |        |         |
|                      | DIODE                        |                                 |           |          |       |     |                  |                              | ,                                  |                    |        |         |
| D9902                | 8-719-069-55                 | DIODE                           | ווחספדו   | E-175.6B |       |     |                  | <u>CAPACITOR</u>             |                                    |                    |        |         |
| D9902                | 0-7 19-009-33                | DIODE                           | UDZSTI    | L-175.0D |       |     | C9101            | 1-107-826-11                 | CERAMIC CHIP                       | 0.1µF              | 10%    | 16V     |
|                      | <u>BATTERY</u>               |                                 |           |          |       |     |                  | CONNECTOR                    |                                    |                    |        |         |
| SB9901               | 1-756-295-11                 | BATTERY, SOLAR                  |           |          |       |     |                  |                              |                                    |                    |        |         |
| <b>山</b> つ           |                              |                                 |           |          |       | *   | CN9101<br>CN9102 | 1-564-508-11<br>1-564-506-11 | PLUG, CONNECTOR<br>PLUG, CONNECTOR | 5P<br>3P           |        |         |
|                      |                              |                                 |           |          |       |     | 0110102          |                              | 1 200, OOMNEOTOR                   | OI .               |        |         |
| *                    | A-1405-147-A                 | H2 BOARD, MOUN                  | TED       |          |       |     |                  | <u>DIODE</u>                 |                                    |                    |        |         |
|                      | CONNECTOR                    |                                 |           |          |       |     | D9101<br>D9102   | 8-719-053-43<br>8-719-053-43 | DIODE<br>DIODE                     | SLR-325<br>SLR-325 |        |         |
| * CNI0204            |                              | DILIC CONNECTOR                 | ED.       |          |       |     | D9102            | 8-719-053-43                 | DIODE                              | 3LK-323            | voisi  |         |
| * CN9201<br>* CN9202 | 1-564-520-11<br>1-564-521-11 | PLUG, CONNECTOR PLUG, CONNECTOR | 5P<br>6P  |          |       |     |                  | <u>IC</u>                    |                                    |                    |        |         |
| ONSZUZ               | 1-00 <del>1</del> -021-11    | I LOG, CONNECTOR                | UΓ        |          |       |     |                  |                              |                                    |                    |        |         |
|                      |                              |                                 |           |          |       |     | IC9101           | 8-719-066-43                 | DIODE                              | GP1U28             | Y      |         |
|                      |                              |                                 |           |          |       |     |                  |                              |                                    |                    |        |         |



| REF.NO.        | PART NO.                     | DESCRIPTION       | VALUE            | S          |            |     | REF.NO. | PART NO.          | DESCRIPTION         | VALI     | JES       |             |
|----------------|------------------------------|-------------------|------------------|------------|------------|-----|---------|-------------------|---------------------|----------|-----------|-------------|
|                | RESISTOR                     |                   |                  |            |            |     |         | RESISTOR          |                     |          |           |             |
| R9101          | 1-216-833-11                 | METAL CHIP        | 10K              | 5%         | 1/10W      |     | R9400   | 1-216-853-11      | METAL CHIP          | 470K     | 5%        | 1/10W       |
| R9102          | 1-216-809-11                 | METAL CHIP        | 100              | 5%         | 1/10W      |     | R9401   | 1-216-853-11      | METAL CHIP          | 470K     | 5%        | 1/10W       |
| R9103          | 1-216-813-11                 | METAL CHIP        | 220              | 5%         | 1/10W      |     | R9402   | 1-218-285-11      | METAL CHIP          | 75       | 5%        | 1/10W       |
| R9104          | 1-216-813-11                 | METAL CHIP        | 220              | 5%         | 1/10W      |     | R9403   | 1-218-285-11      | METAL CHIP          | 75       | 5%        | 1/10W       |
|                |                              |                   |                  |            |            |     | R9406   | 1-216-821-11      | METAL CHIP          | 1K       | 5%        | 1/10W       |
|                | <u>SWITCH</u>                |                   |                  |            |            |     | R9407   | 1-218-285-11      | METAL CHIP          | 75       | 5%        | 1/10W       |
| S9101          | 1-571-532-21                 | SWITCH, TACTILE   |                  |            |            |     |         | ACCESSORIES       | AND PACKING         |          |           |             |
| H4             |                              |                   |                  |            |            | *   |         | 4 0 4 4 4 4 0 0 4 | DAG PROTECTION      | (VD 54)  | 110540 01 |             |
|                | l<br>                        |                   |                  |            |            | 1 * |         | 4-041-426-01      | BAG, PROTECTION     |          | VS510 OI  | ,           |
| *              | A-1405-149-A                 | H4 BOARD, MOUNT   | TED              |            |            | _   |         | 4-076-420-01      | BAG, PROTECTION     | (KP-5/V  | VS510/65  | WS510 ONLY) |
|                | CAPACITOR                    |                   |                  |            |            | *   |         | 4-094-654-01      | CARTON, INDIVIDUAL  | (KP-51V  | VS510 OI  | NLY)        |
| 00100          |                              |                   |                  | 222/       |            | *   |         | 4-094-658-01      | CARTON, INDIVIDUAL  | (KP-57V  | VS510 OI  | NLY)        |
| C9400          | 1-126-964-11                 | ELECT             | 10µF             | 20%        | 50V        | *   |         | 4-094-662-01      | CARTON, INDIVIDUAL  | (KP-65V  | VS510 OI  | NLY)        |
| C9401          | 1-126-964-11                 | ELECT             | 10µF             | 20%        | 50V        |     |         |                   |                     |          |           |             |
| C9402          | 1-125-891-11                 | CERAMIC CHIP      | 0.47µF           | 10%        | 10V        | *   |         | 4-094-653-01      | CUSHION, LOWER      | ,        | VS510 OI  | •           |
| C9403<br>C9405 | 1-163-021-91<br>1-125-891-11 | CERAMIC CHIP      | 0.01μF<br>0.47μF | 10%<br>10% | 50V<br>10V | *   |         | 4-094-657-01      | CUSHION, LOWER      | ,        | VS510 OI  | •           |
| C9403          | 1-120-091-11                 | CERAMIC CHIP      | 0.47μΓ           | 1070       | 100        | *   |         | 4-094-661-01      | CUSHION, LOWER      | ,        | VS510 OI  | •           |
|                | CONNECTOR                    |                   |                  |            |            | *   |         | 4-094-652-01      | CUSHION, UPPER      |          | VS510 OI  | ,           |
|                | CONNECTOR                    |                   |                  |            |            | *   |         | 4-094-656-01      | CUSHION, UPPER      |          | VS510 OI  |             |
| * CN9401       | 1-564-526-11                 | PLUG, CONNECTOR   | 11P              |            |            | *   |         | 4-094-660-01      | CUSHION, UPPER      | (KP-65V  | VS510 OI  | NLY)        |
|                | DIODE                        |                   |                  |            |            |     |         | 4-094-605-11      | MANUAL, INSTRUCTIO  | N        |           |             |
|                |                              |                   |                  |            |            |     |         | 4-094-605-21      | MANUAL, INSTRUCTIO  |          |           |             |
| D9400          | 8-719-110-17                 | DIODE             | RD10ES           |            |            |     |         | 4-094-605-31      | MANUAL, INSTRUCTIO  | N        |           |             |
| D9401          | 8-719-110-17                 | DIODE             | RD10ES           |            |            |     |         |                   |                     |          |           |             |
| D9402          | 8-719-110-17                 | DIODE             | RD10ES           |            |            | *   |         | 4-042-463-01      | SHEET, PROTECTION   |          |           |             |
| D9403          | 8-719-110-17                 | DIODE             | RD10ES           |            |            |     |         |                   |                     |          |           |             |
| D9404          | 8-719-110-17                 | DIODE             | RD10ES           |            |            | *   |         | 4-094-659-01      | TRAY (KP-57WS510 ON | ,        |           |             |
| D9405          | 8-719-110-17                 | DIODE             | RD10ES           | B2         |            | *   |         | 4-094-663-01      | TRAY (KP-65WS510 ON | ILY)     |           |             |
|                | <u>JACK</u>                  |                   |                  |            |            |     |         | REMOTE COMM       | IANDER .            |          |           |             |
| J9401          | 1-770-361-11                 | TERMINAL BLOCK, S |                  |            |            |     |         | 1-476-864-11      | REMOTE COMMANDE     | R (RM-Y9 | 09)       |             |
|                |                              |                   |                  |            |            |     |         | 4-081-888-01      | BATTERY COVER (FOR  | R RM-Y90 | 9)        |             |
|                |                              |                   |                  |            |            |     |         |                   |                     |          |           |             |

Sony Corporation
Sony Technology Center
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Service Promotion Department

## **SERVICE MANUAL**

## RA-6A CHASSIS

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**COLOR REAR VIDEO PROJECTION** 

